

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081519\
 Data File : VX011567.D
 Acq On : 15 Aug 2019 19:14
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:29:34 AM

Quant Time: Aug 16 04:05:22 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	399445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	548019	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	499654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	283453	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	338920	82.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	164.70%	
35) Dibromofluoromethane	5.49	113	329667	95.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.94%	
50) Toluene-d8	8.71	98	1061491	84.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	169.12%	
62) 4-Bromofluorobenzene	11.13	95	451454	96.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	405893	108.345	ug/l	100
3) Chloromethane	1.32	50	371426	100.118	ug/l	99
4) Vinyl Chloride	1.40	62	363986	97.882	ug/l	99
5) Bromomethane	1.63	94	159177	78.071	ug/l	98
6) Chloroethane	1.70	64	169752	74.944	ug/l	98
7) Trichlorofluoromethane	1.92	101	497294	81.133	ug/l	99
8) Diethyl Ether	2.18	74	171397	80.733	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	326986	90.662	ug/l	99
10) Methyl Iodide	2.50	142	520395	108.672	ug/l	100
11) Tert butyl alcohol	3.05	59	452394	457.651	ug/l	99
12) 1,1-Dichloroethene	2.36	96	322288	91.693	ug/l	98
13) Acrolein	2.29	56	133465	260.183	ug/l	97
14) Allyl chloride	2.71	41	565668	107.389	ug/l	100
15) Acrylonitrile	3.14	53	1035066	509.805	ug/l	99
16) Acetone	2.44	43	884492	462.693	ug/l	99
17) Carbon Disulfide	2.56	76	801155	89.836	ug/l	100
18) Methyl Acetate	2.76	43	580344	123.578	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	1106153	96.258	ug/l	99
20) Methylene Chloride	2.85	84	362603	89.719	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	347819	92.692	ug/l	98
22) Diisopropyl ether	3.85	45	1109224	100.297	ug/l	99
23) Vinyl Acetate	3.81	43	4551025	493.894	ug/l	100
24) 1,1-Dichloroethane	3.69	63	613541	96.357	ug/l	99
25) 2-Butanone	4.67	43	1453546	520.140	ug/l	97
26) 2,2-Dichloropropane	4.57	77	475506	92.380	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	407982	93.415	ug/l	100
28) Bromochloromethane	5.01	49	272325	91.414	ug/l	100
29) Tetrahydrofuran	5.12	42	951736	532.313	ug/l	100
30) Chloroform	5.20	83	645630	94.055	ug/l	99
31) Cyclohexane	5.57	56	535964	92.892	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	578512	97.570	ug/l	99
36) 1,1-Dichloropropene	5.79	75	466238	102.411	ug/l	100
37) Ethyl Acetate	4.83	43	541225	114.109	ug/l	100
38) Carbon Tetrachloride	5.77	117	520720	108.861	ug/l	99

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 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)
39) Methylcyclohexane	7.46	83	562869	96.140	ug/l	99
40) Benzene	6.13	78	1421841	101.898	ug/l	99
41) Methacrylonitrile	5.04	41	303086	111.248	ug/l	99
42) 1,2-Dichloroethane	6.18	62	496020	101.428	ug/l	99
43) Isopropyl Acetate	6.44	43	852871	110.015	ug/l	100
44) Trichloroethene	7.21	130	428777	103.679	ug/l	99
45) 1,2-Dichloropropane	7.51	63	366181	102.741	ug/l	98
46) Dibromomethane	7.66	93	254122	100.694	ug/l	100
47) Bromodichloromethane	7.90	83	494970	108.982	ug/l	100
48) Methyl methacrylate	7.77	41	434571	113.878	ug/l	100
49) 1,4-Dioxane	7.74	88	219703	2091.307	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2799789	554.855	ug/l	99
52) Toluene	8.78	92	917075	100.463	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	551310	113.264	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	595149	110.200	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	388982	103.081	ug/l	99
56) Ethyl methacrylate	9.18	69	611076	110.502	ug/l	99
57) 1,3-Dichloropropane	9.37	76	614518	102.396	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1480367	556.932	ug/l	99
59) 2-Hexanone	9.49	43	2188244	560.908	ug/l	99
60) Dibromochloromethane	9.58	129	449889	116.548	ug/l	99
61) 1,2-Dibromoethane	9.67	107	423664	105.674	ug/l	99
64) Tetrachloroethene	9.34	164	399941	100.357	ug/l	98
65) Chlorobenzene	10.13	112	1045194	100.375	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	408783	111.104	ug/l	100
67) Ethyl Benzene	10.25	91	1785943	101.570	ug/l	100
68) m/p-Xylenes	10.36	106	1378068	203.590	ug/l	98
69) o-Xylene	10.69	106	678435	103.043	ug/l	97
70) Styrene	10.71	104	1183212	107.522	ug/l	99
71) Bromoform	10.85	173	384897	129.660	ug/l #	99
73) Isopropylbenzene	11.02	105	1815597	94.695	ug/l	100
74) N-amyl acetate	10.90	43	793632	107.384	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	611561	97.136	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	521927m	100.707	ug/l	
77) Bromobenzene	11.26	156	531583	99.319	ug/l	99
78) n-propylbenzene	11.36	91	2002397	94.908	ug/l	100
79) 2-Chlorotoluene	11.42	91	1201305	94.335	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1550113	96.844	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	202948	108.966	ug/l	96
82) 4-Chlorotoluene	11.51	91	1399555	94.632	ug/l	100
83) tert-Butylbenzene	11.77	119	1577138	99.646	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1569184	97.108	ug/l	99
85) sec-Butylbenzene	11.94	105	1781937	96.859	ug/l	100
86) p-Isopropyltoluene	12.06	119	1718893	100.509	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	925988	100.033	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	933891	98.588	ug/l	99
89) n-Butylbenzene	12.38	91	1456191	100.486	ug/l	99
90) Hexachloroethane	12.59	117	284490	105.873	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	927871	101.063	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	146062	109.841	ug/l	99

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ClientSampleId :
VSTDICC100

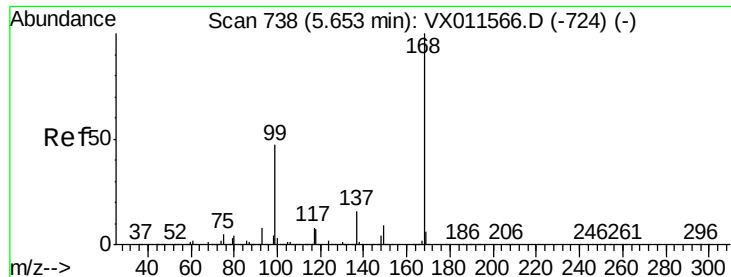
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Aug 16 03:49:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	738522	116.545	ug/l	99
94) Hexachlorobutadiene	13.78	225	389720	121.646	ug/l	98
95) Naphthalene	13.83	128	2128793	114.391	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	734868	116.097	ug/l	99

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



#1

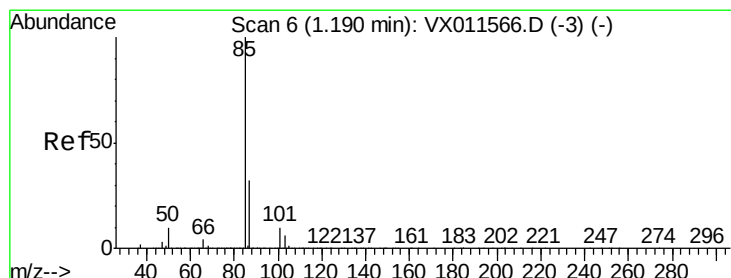
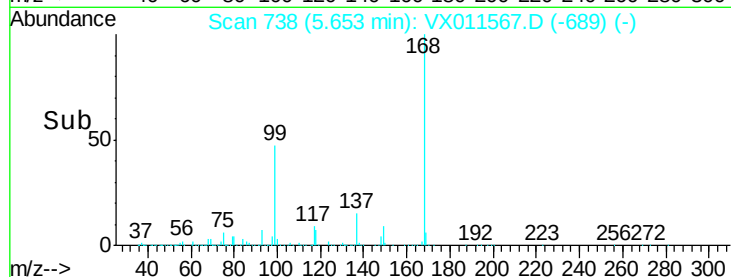
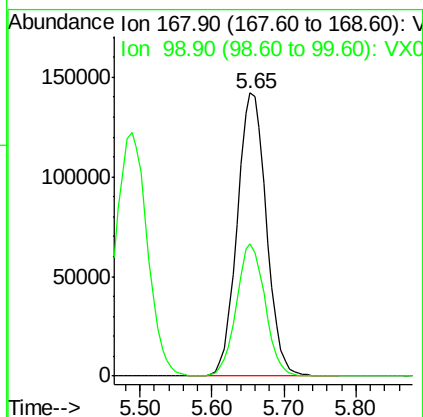
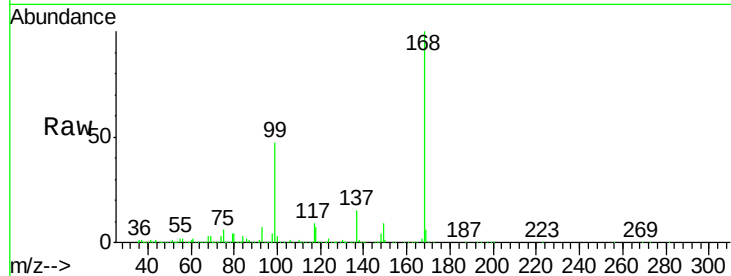
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
168	100		
99	46.5	37.3	55.9

Manual Integrations
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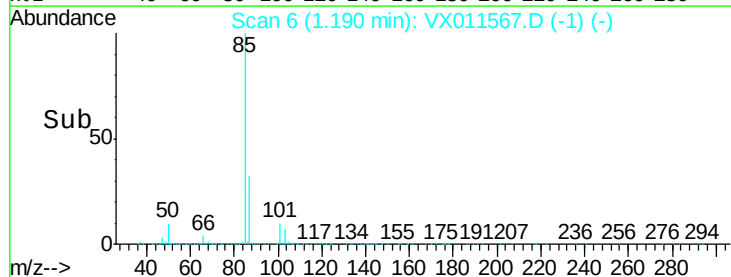
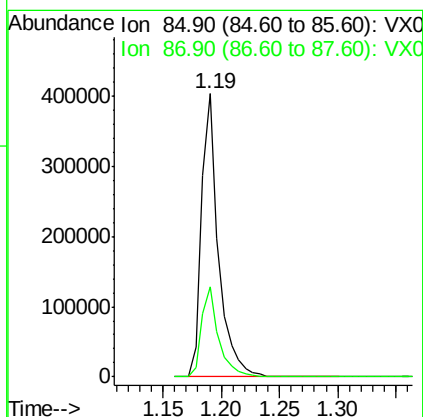
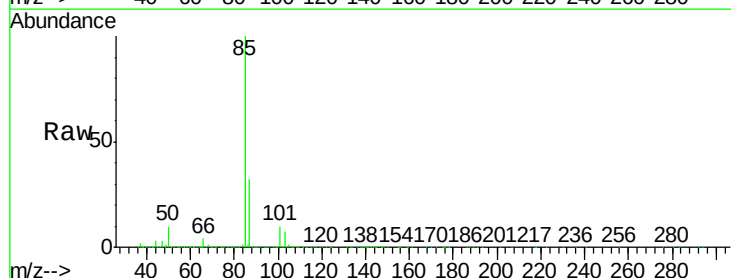
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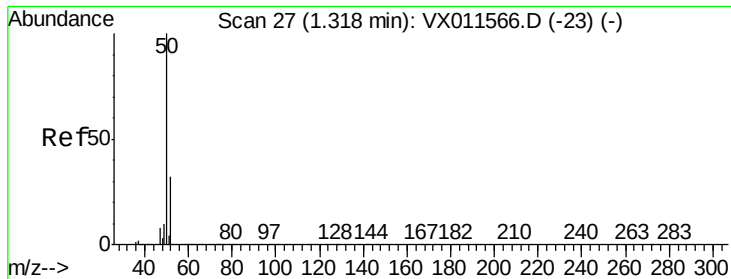


#2

Dichlorodifluoromethane
Concen: 108.345 ug/l
RT: 1.19 min Scan# 6
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.1	48.2





#3

Chloromethane

Concen: 100.118 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 371426

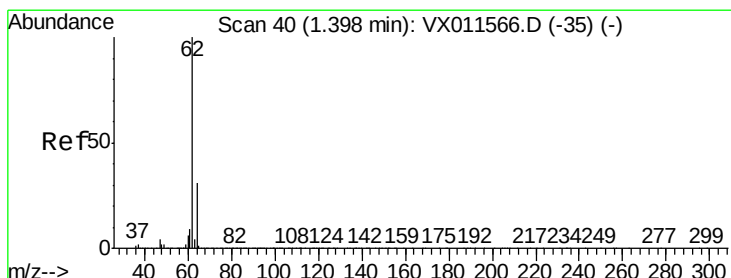
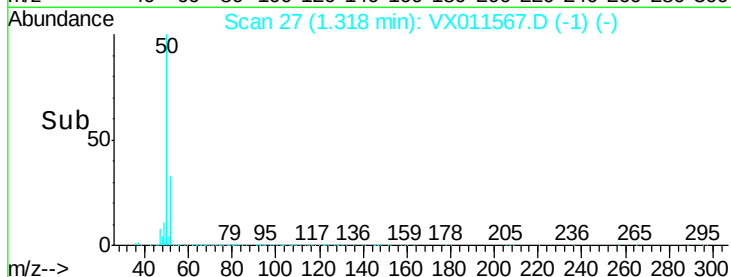
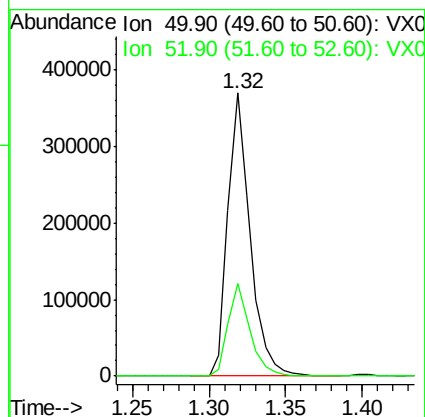
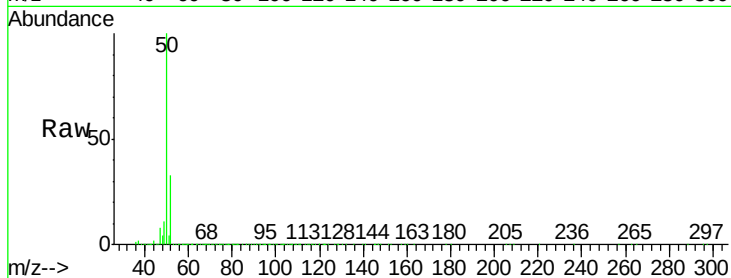
Ion Ratio Lower Upper

50 100

52 32.8 26.0 39.0

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#4

Vinyl Chloride

Concen: 97.882 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011567.D

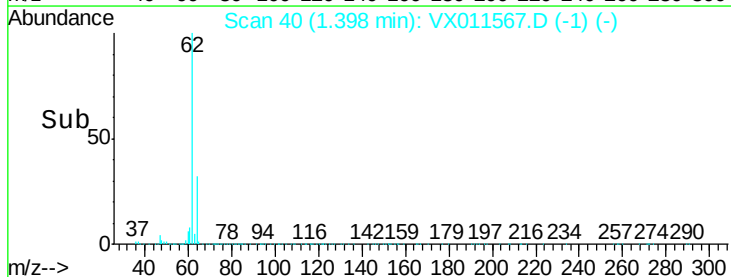
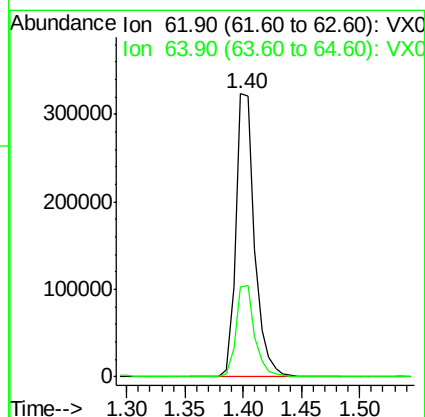
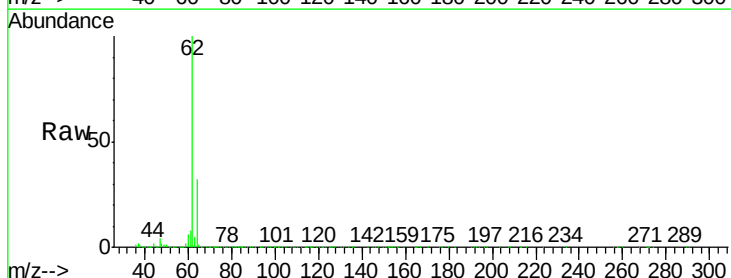
Acq: 15 Aug 2019 19:14

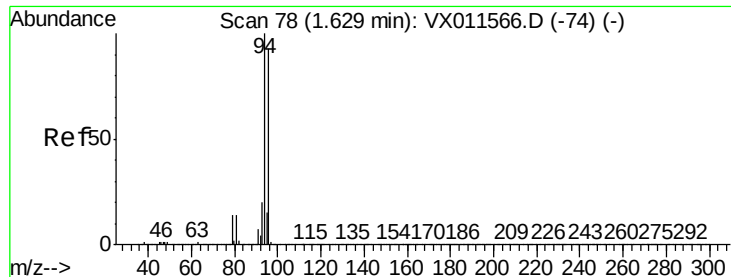
Tgt Ion: 62 Resp: 363986

Ion Ratio Lower Upper

62 100

64 31.8 25.0 37.4





#5

Bromomethane

Concen: 78.071 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 159177

Ion Ratio Lower Upper

94 100

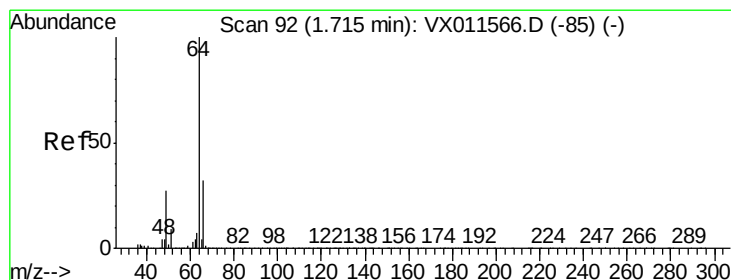
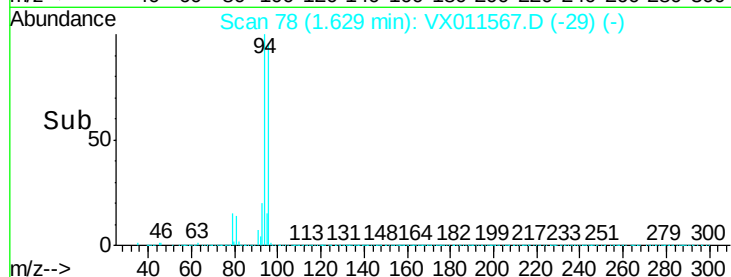
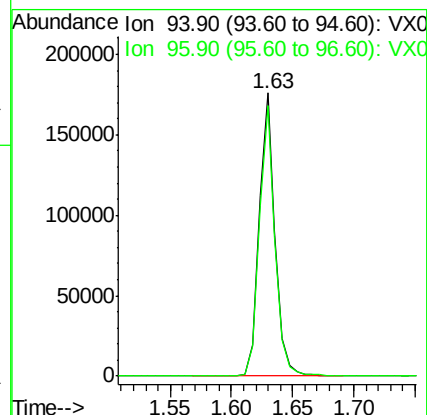
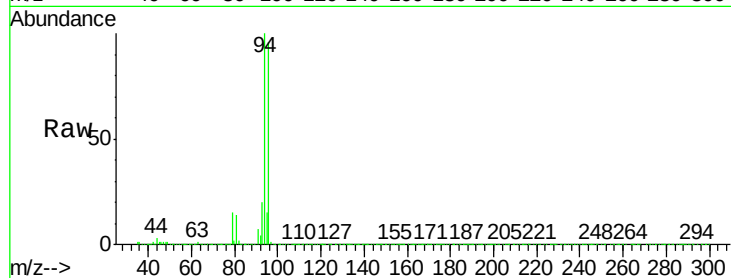
96 95.7 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 74.944 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX011567.D

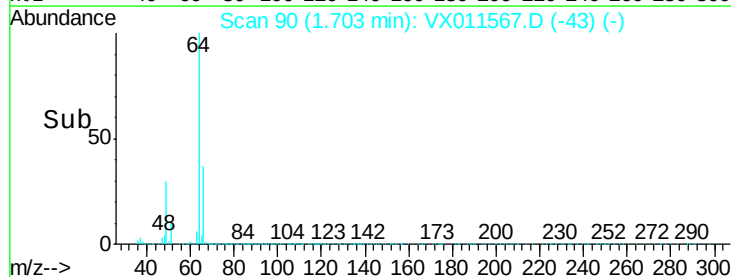
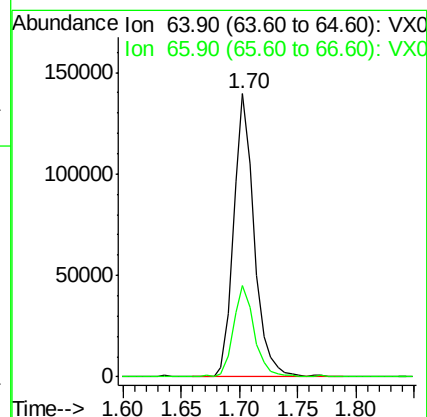
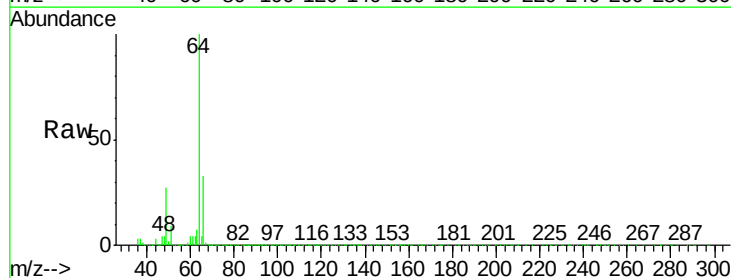
Acq: 15 Aug 2019 19:14

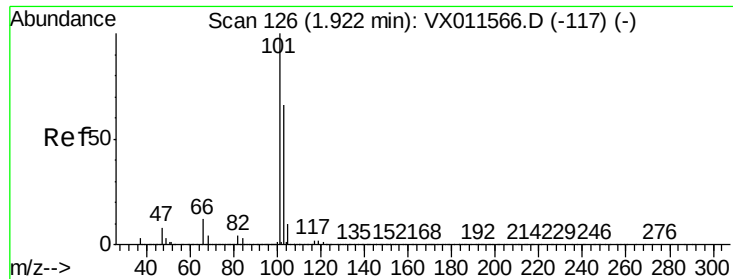
Tgt Ion: 64 Resp: 169752

Ion Ratio Lower Upper

64 100

66 32.5 25.3 37.9





#7

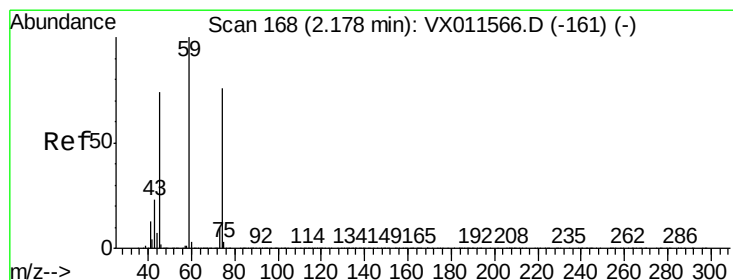
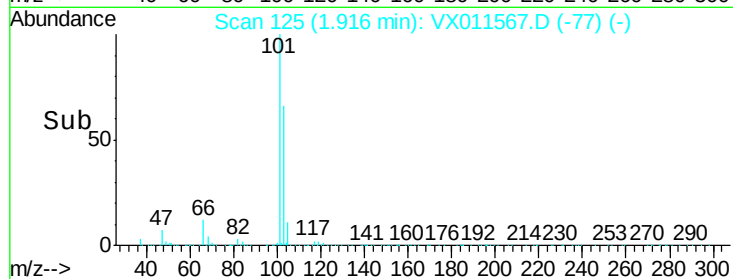
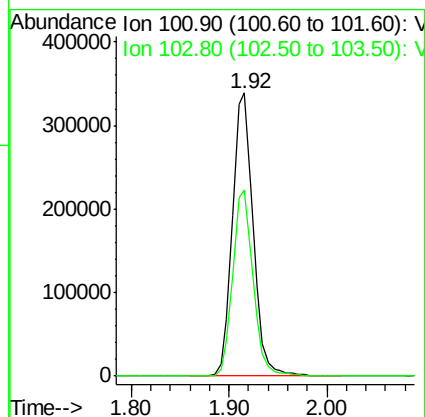
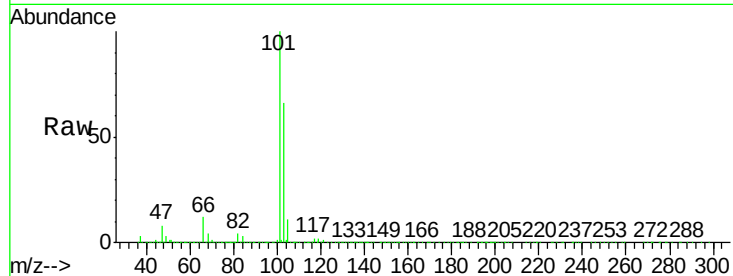
Trichlorofluoromethane
Concen: 81.133 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	497294		
103	65.7	52.9	79.3	

Manual Integrations
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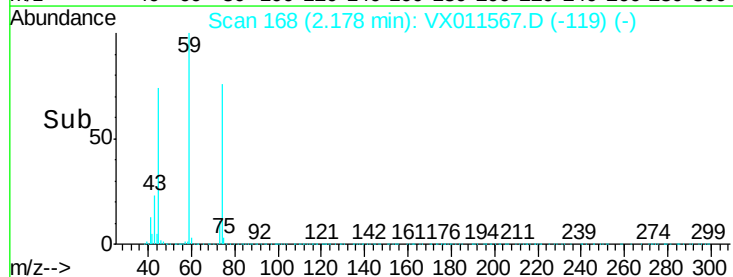
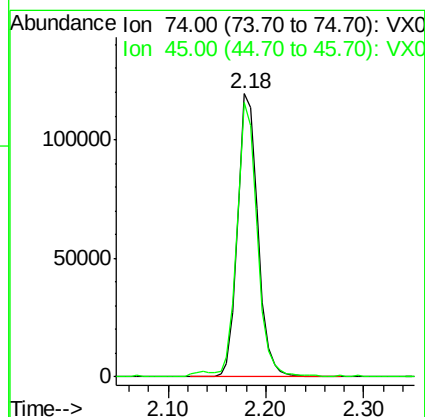
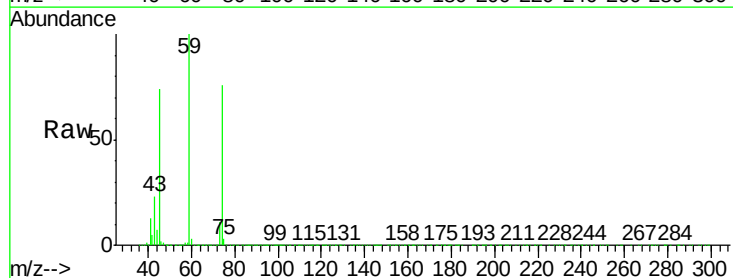
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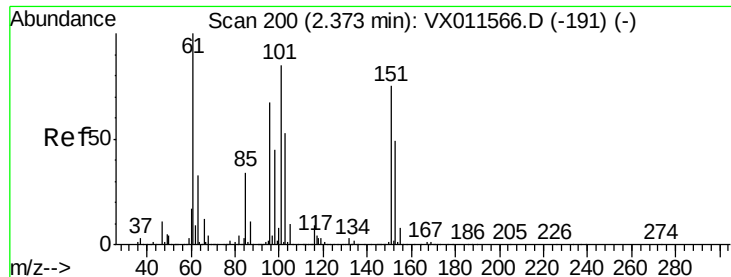


#8

Diethyl Ether
Concen: 80.733 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	171397		
45	95.8	48.2	144.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 90.662 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Instrument :

MSVOA_X

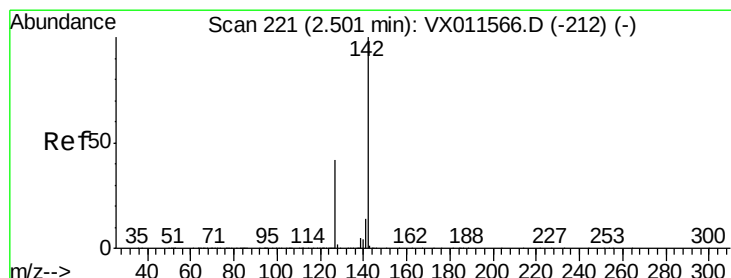
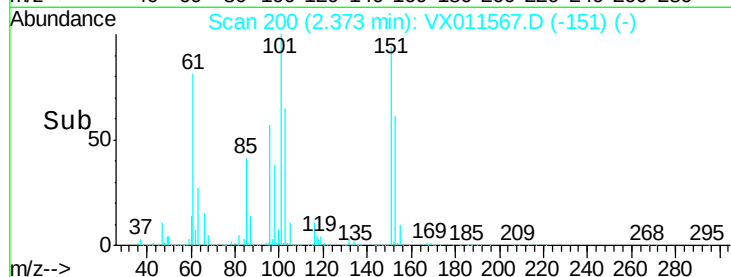
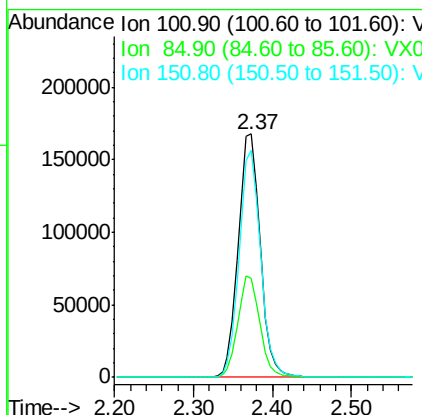
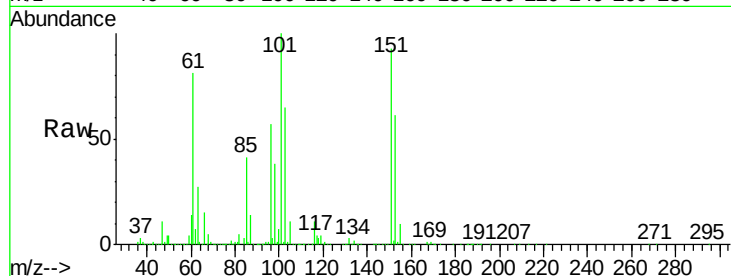
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	326986
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.0	49.4
151	91.0	73.3	109.9

Manual Integrations
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8/16/2019 8:29:34 AM



#10

Methyl Iodide

Concen: 108.672 ug/l

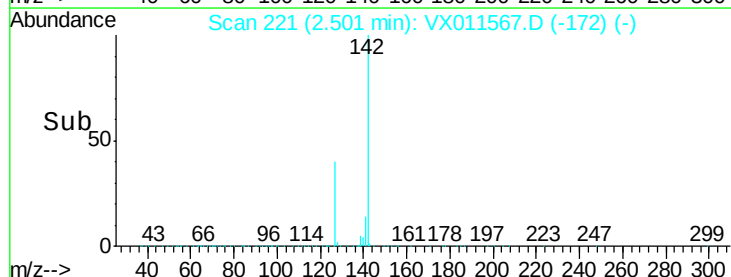
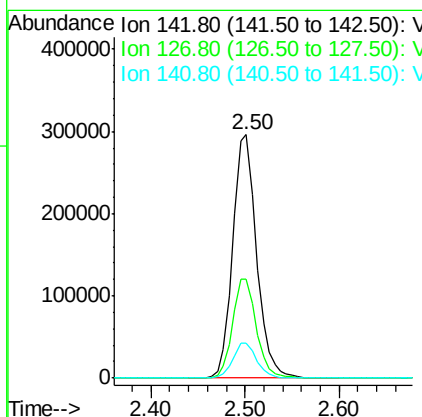
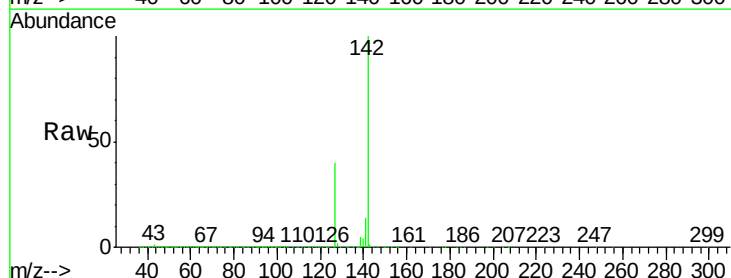
RT: 2.50 min Scan# 221

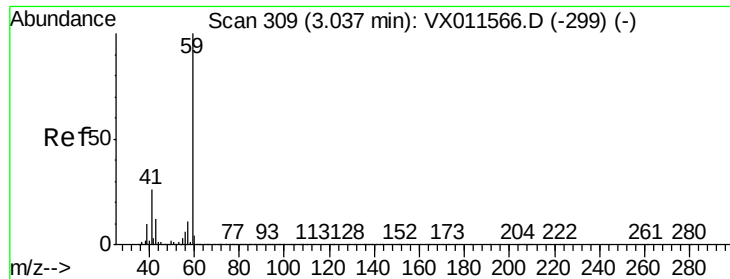
Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Tgt Ion:	142	Resp:	520395
Ion Ratio	Lower	Upper	
142	100		
127	40.9	32.8	49.2
141	14.4	11.4	17.2





#11

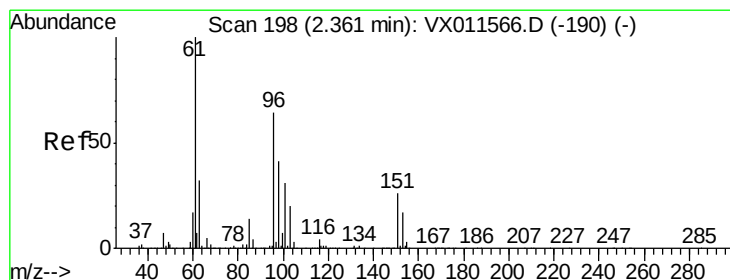
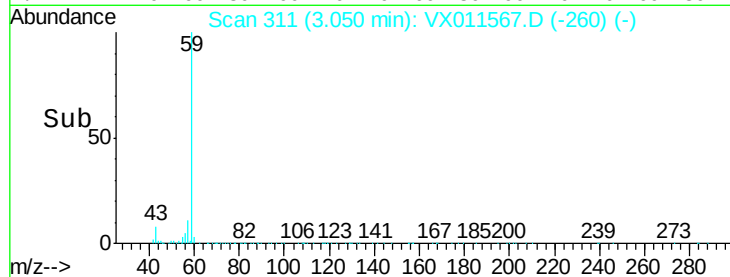
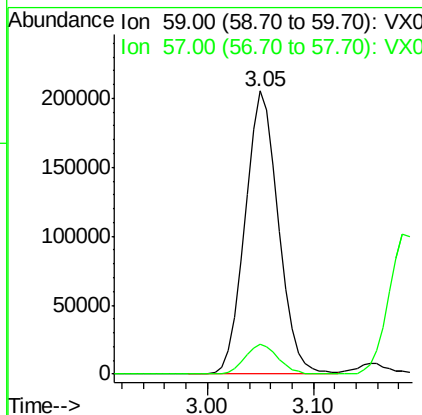
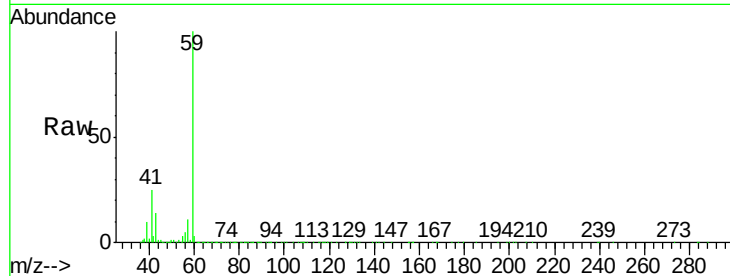
Tert butyl alcohol
Concen: 457.651 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.01 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.7	13.1

Manual Integrations
APPROVED

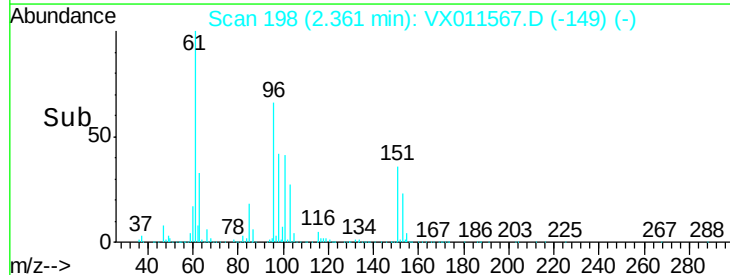
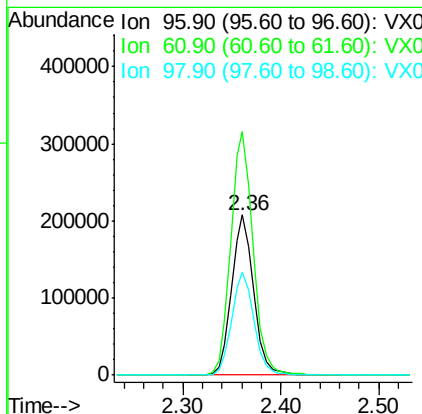
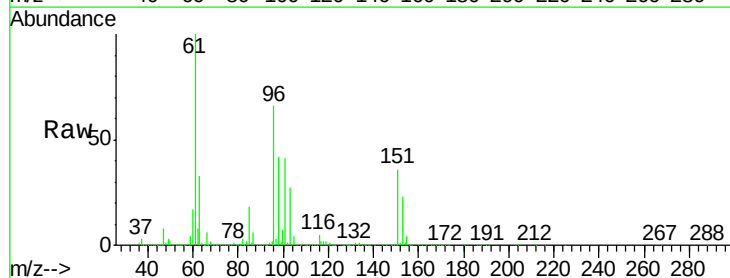
MMDadoda
8/16/2019 8:29:34 AM

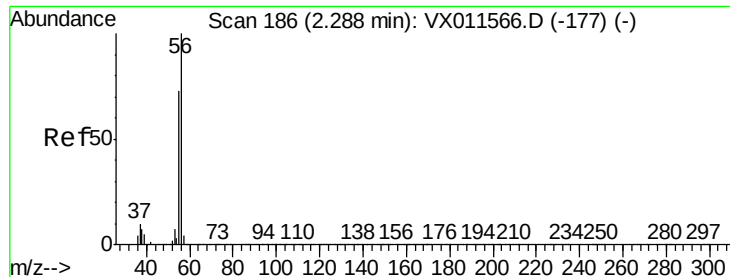


#12

1,1-Dichloroethene
Concen: 91.693 ug/l
RT: 2.36 min Scan# 198
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.0	125.0	187.4
98	64.5	51.5	77.3





#13

Acrolein

Concen: 260.183 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 133465

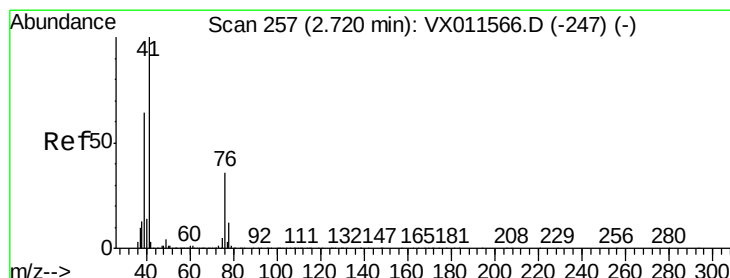
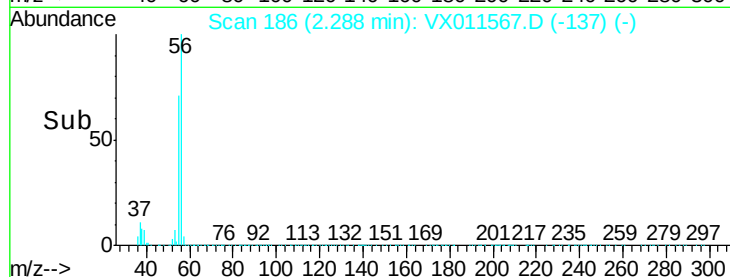
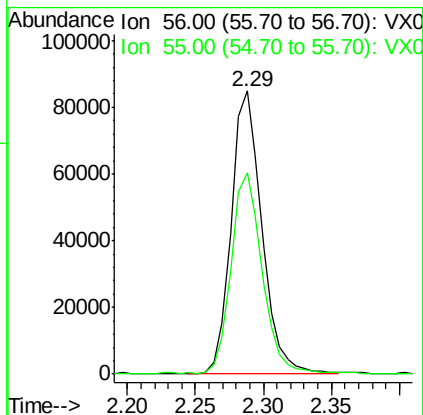
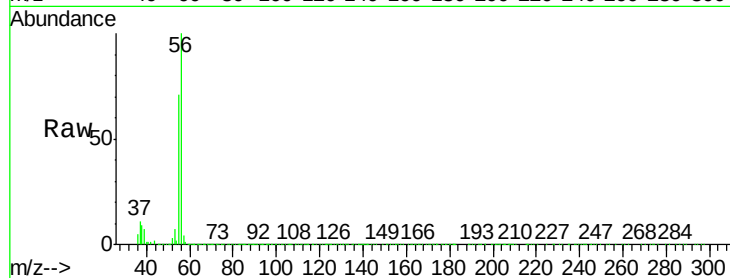
Ion Ratio Lower Upper

56 100

55 71.4 55.5 83.3

Manual Integrations
APPROVED

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#14

Allyl chloride

Concen: 107.389 ug/l

RT: 2.71 min Scan# 256

Delta R.T. -0.01 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

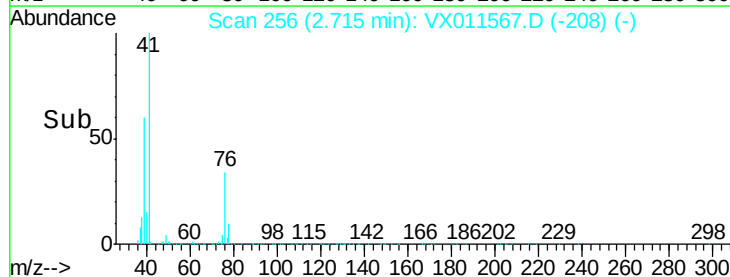
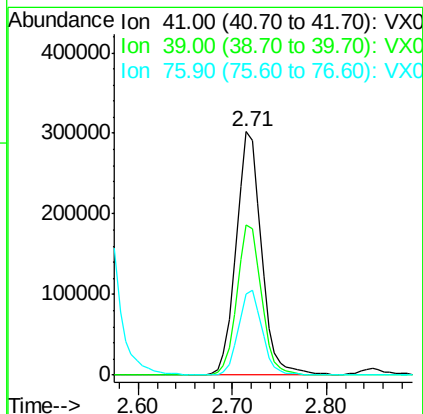
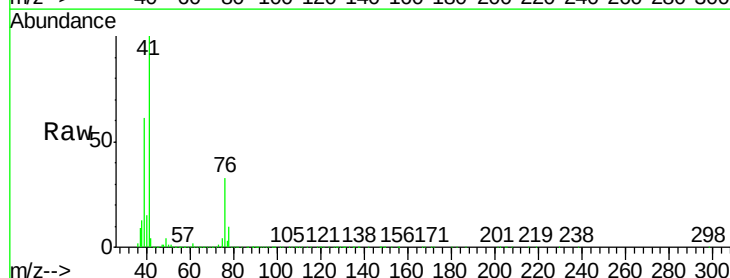
Tgt Ion: 41 Resp: 565668

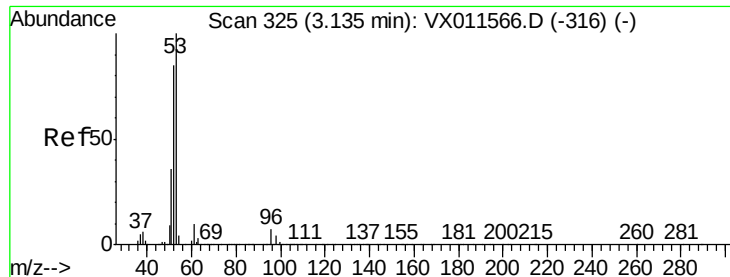
Ion Ratio Lower Upper

41 100

39 59.6 47.5 71.3

76 32.6 26.3 39.5





#15

Acrylonitrile

Concen: 509.805 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1035066

Ion Ratio Lower Upper

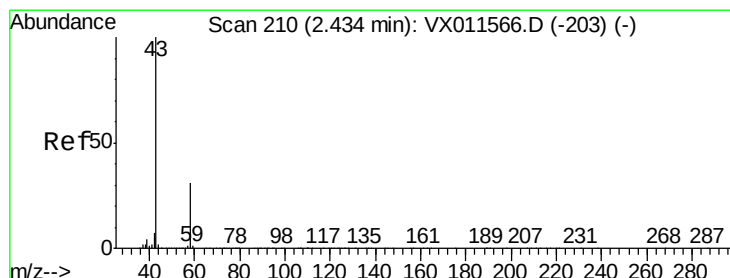
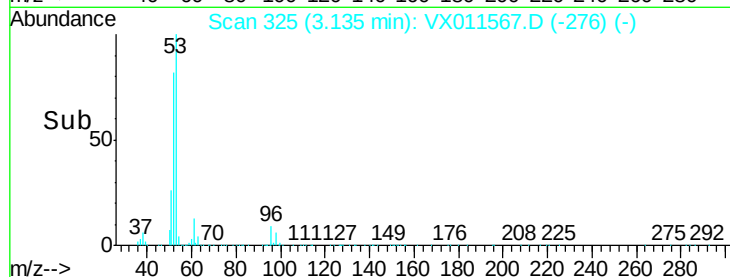
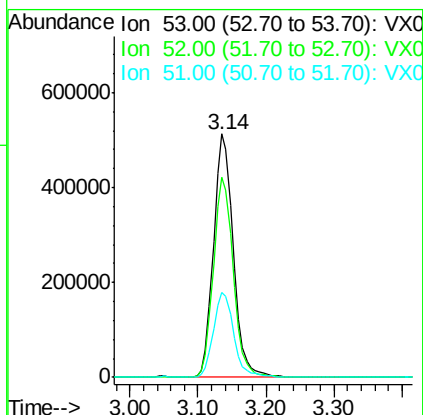
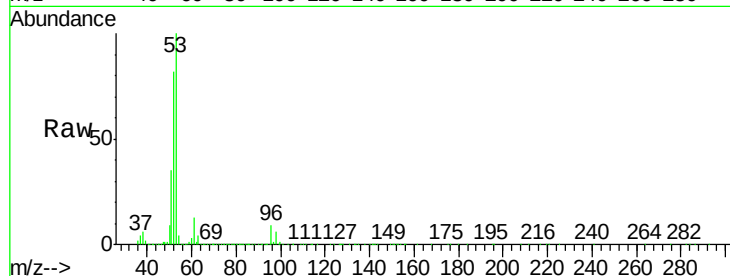
53 100

52 82.6 66.7 100.1

51 35.8 28.7 43.1

Manual Integrations
APPROVED

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#16

Acetone

Concen: 462.693 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX011567.D

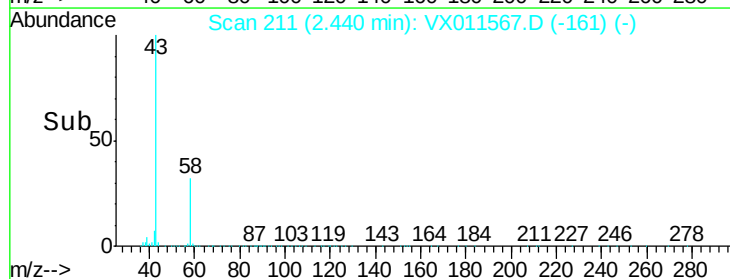
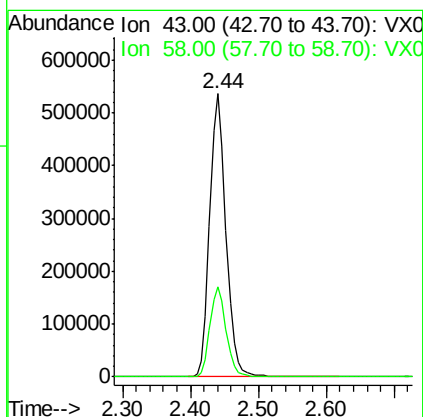
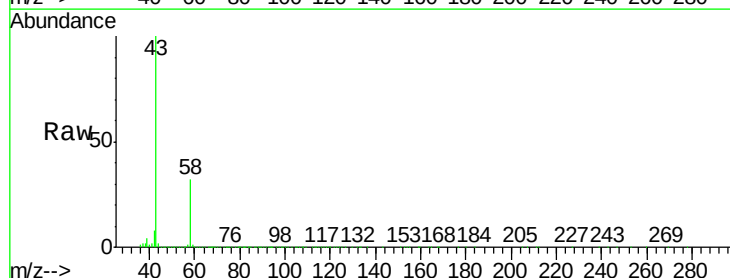
Acq: 15 Aug 2019 19:14

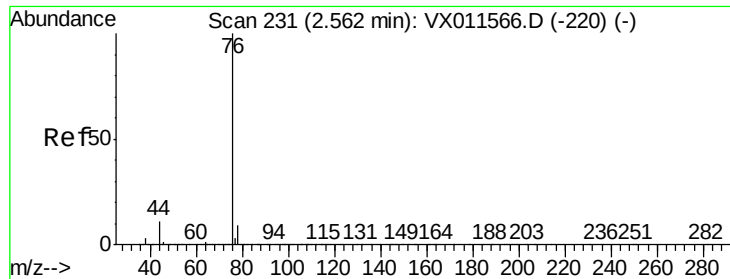
Tgt Ion: 43 Resp: 884492

Ion Ratio Lower Upper

43 100

58 31.9 25.2 37.8





#17

Carbon Disulfide

Concen: 89.836 ug/l

RT: 2.56 min Scan# 230

Delta R.T. -0.01 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 801155

Ion Ratio Lower Upper

76 100

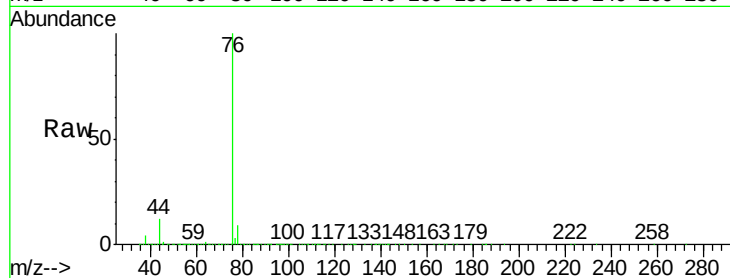
78 9.1 7.2 10.8

Manual Integrations

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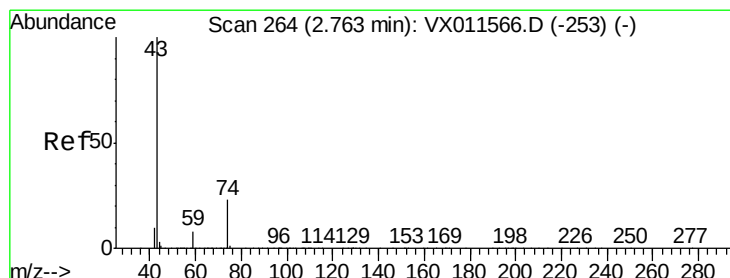
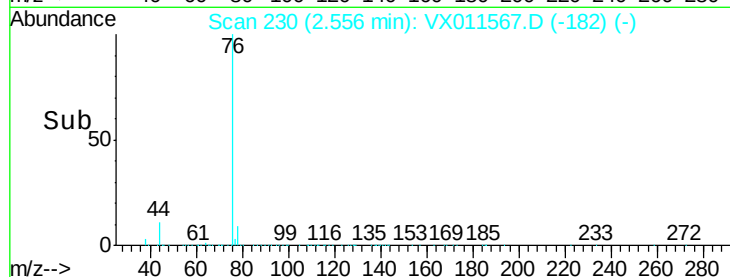
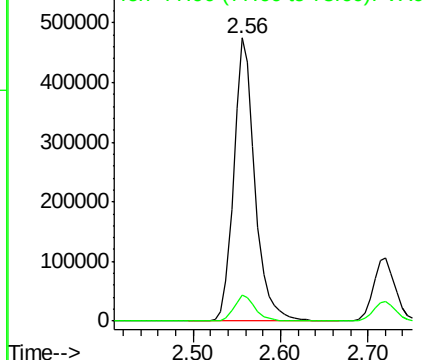
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 123.578 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011567.D

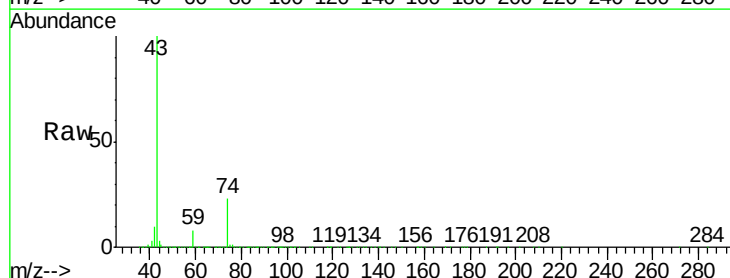
Acq: 15 Aug 2019 19:14

Tgt Ion: 43 Resp: 580344

Ion Ratio Lower Upper

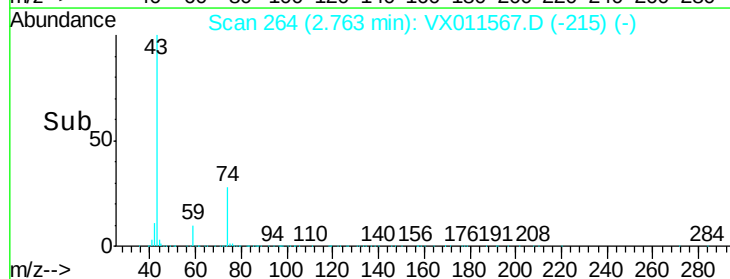
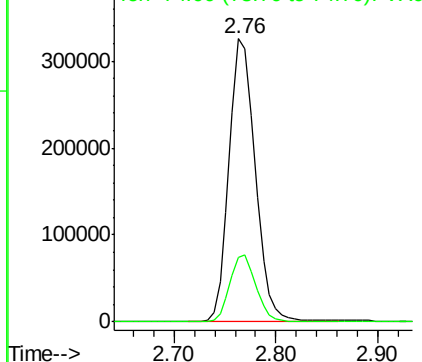
43 100

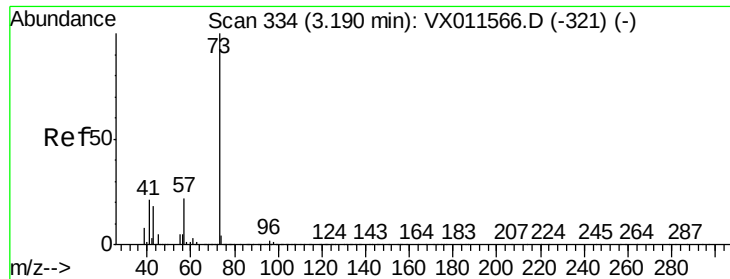
74 23.3 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





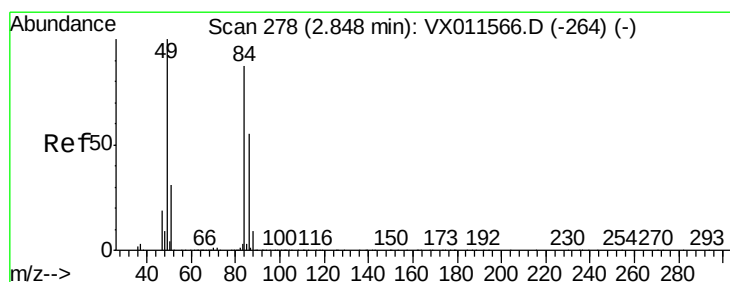
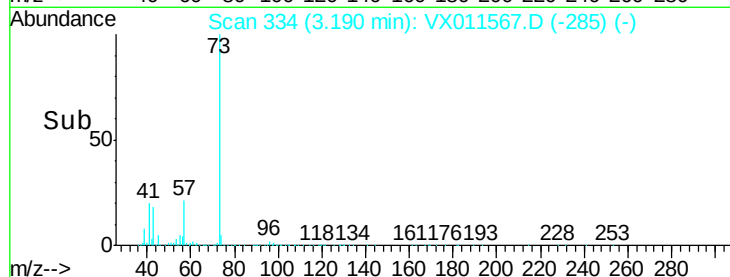
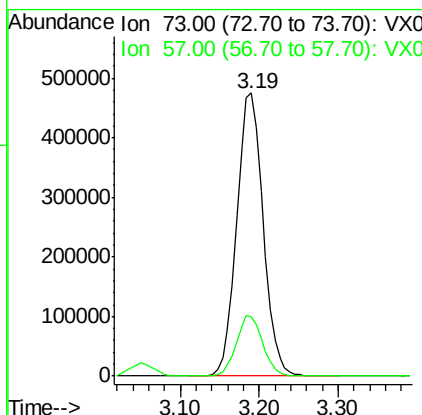
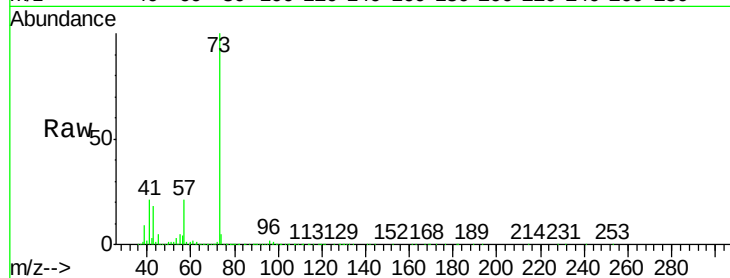
#19
Methyl tert-butyl Ether
Concen: 96.258 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion: 73 Resp: 1106153
Ion Ratio Lower Upper
73 100
57 21.0 17.2 25.8

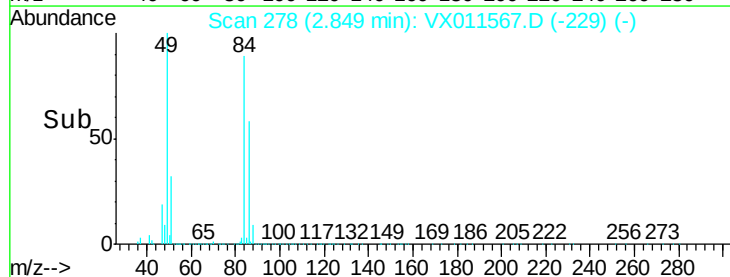
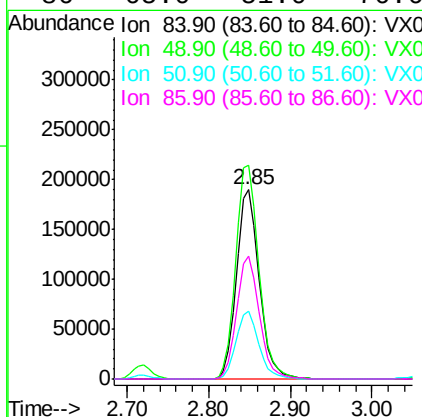
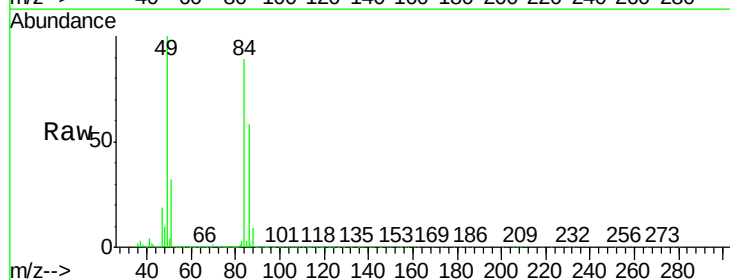
Manual Integrations
APPROVED

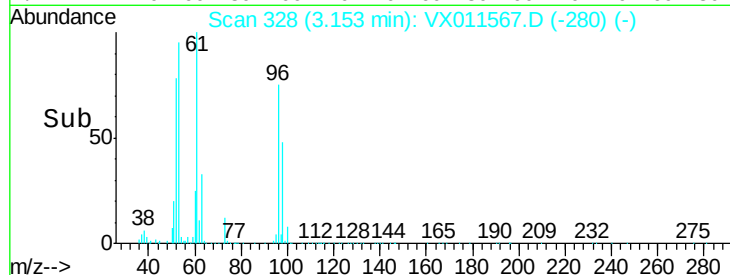
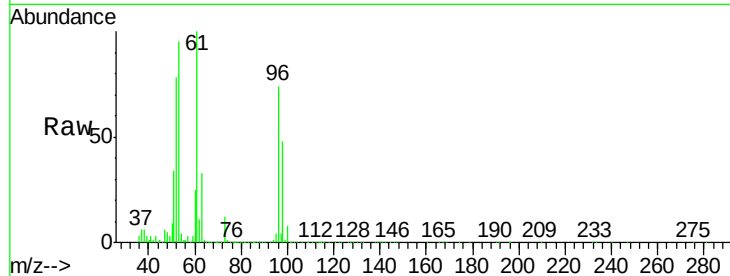
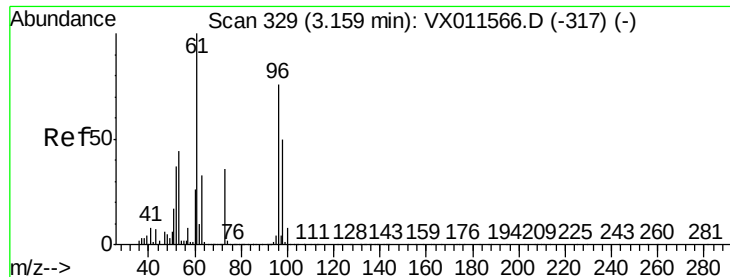
MMDadoda
8/16/2019 8:29:34 AM



#20
Methylene Chloride
Concen: 89.719 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Tgt Ion: 84 Resp: 362603
Ion Ratio Lower Upper
84 100
49 112.9 92.4 138.6
51 35.7 28.5 42.7
86 65.0 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 92.692 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011567.D

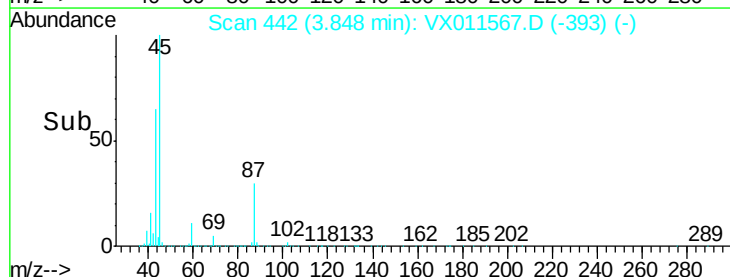
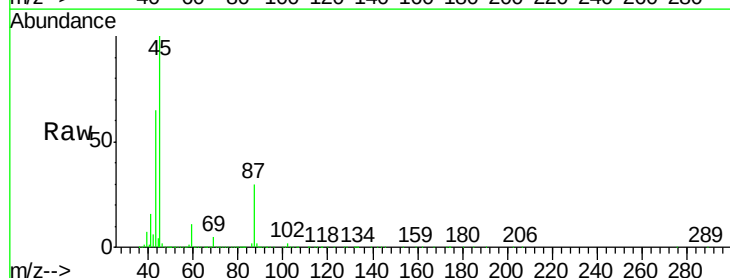
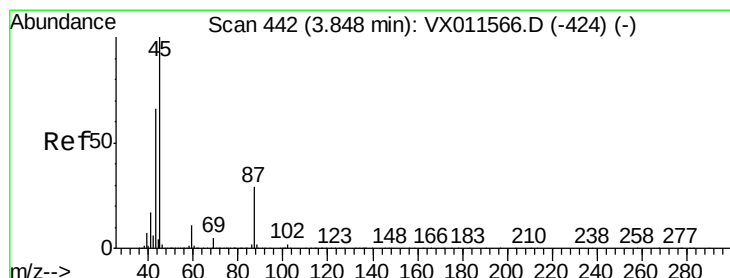
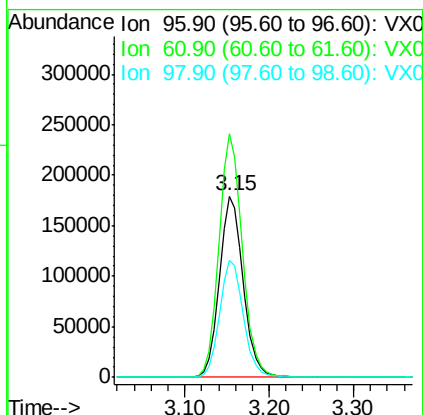
Acq: 15 Aug 2019 19:14

Tot Ion:	96	Resp:	347819
Ion	Ratio	Lower	Upper
96	100		
61	134.2	105.5	158.3
98	64.6	52.6	78.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:29:34 AM



#22

Diisopropyl ether

Concen: 100.297 ug/l

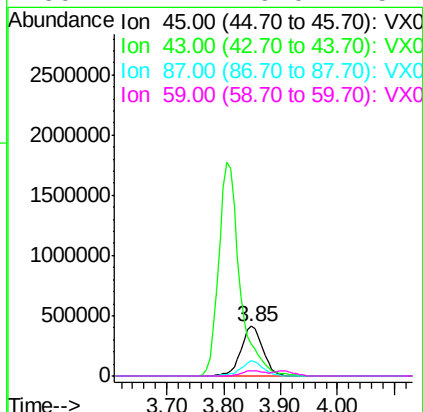
RT: 3.85 min Scan# 442

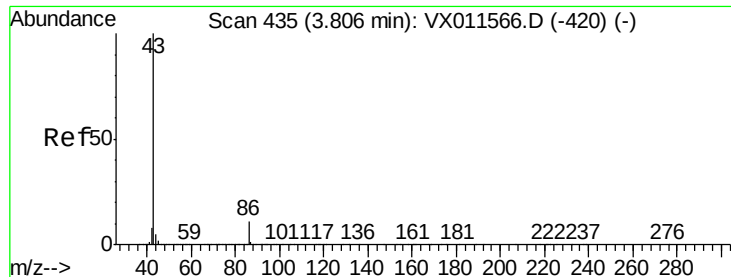
Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Tgt Ion:	45	Resp:	1109224
Ion	Ratio	Lower	Upper
45	100		
43	64.7	52.7	79.1
87	29.8	23.5	35.3
59	11.2	9.0	13.4





#23

Vinyl Acetate

Concen: 493.894 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Tot Ion: 43 Resp: 4551025

Ion Ratio Lower Upper

43 100

86 10.7 8.6 13.0

Instrument :

MSVOA_X

ClientSampleId :

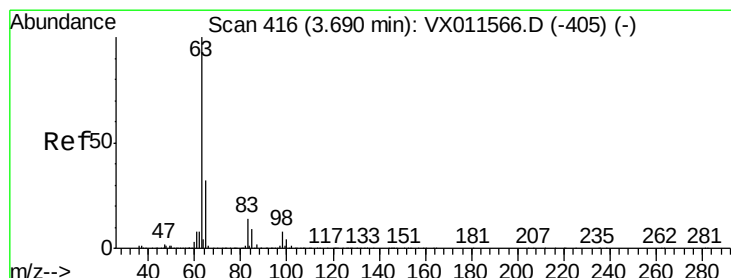
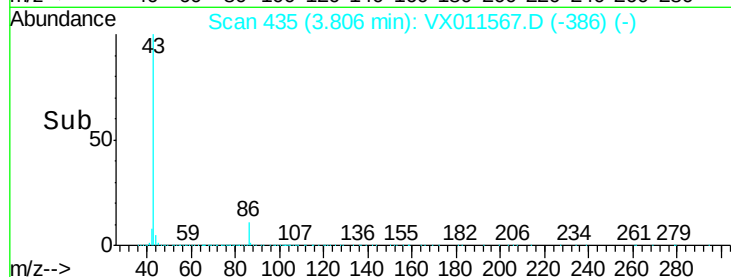
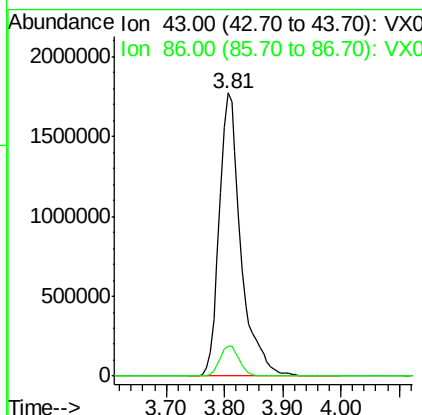
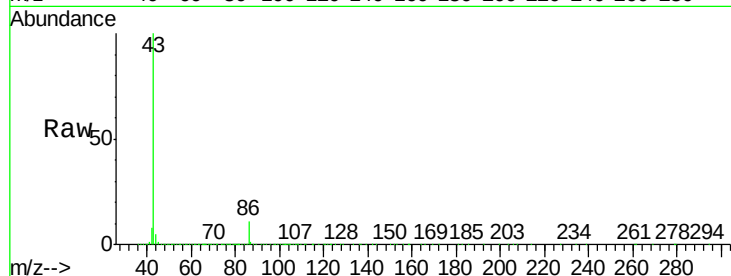
VSTDIC100

Manual Integrations

APPROVED

MMDadoda

8/16/2019 8:29:34 AM



#24

1,1-Dichloroethane

Concen: 96.357 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

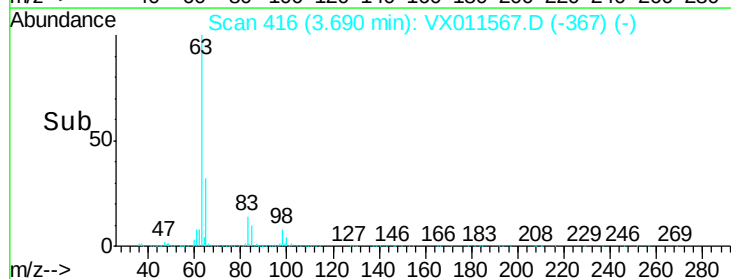
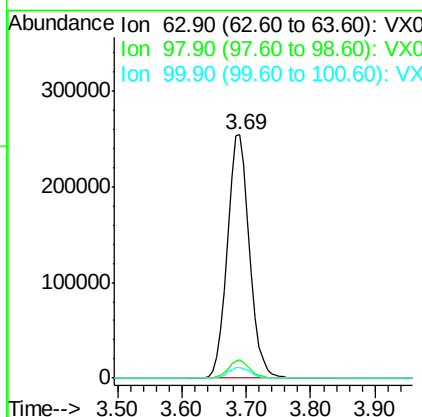
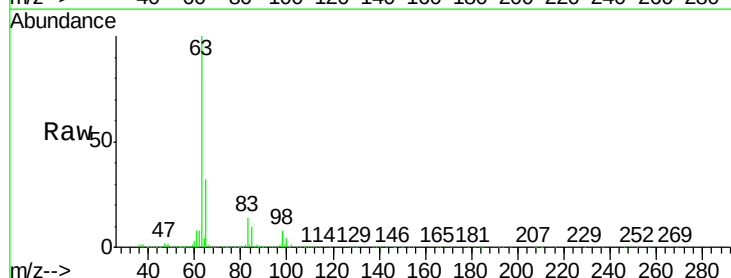
Tgt Ion: 63 Resp: 613541

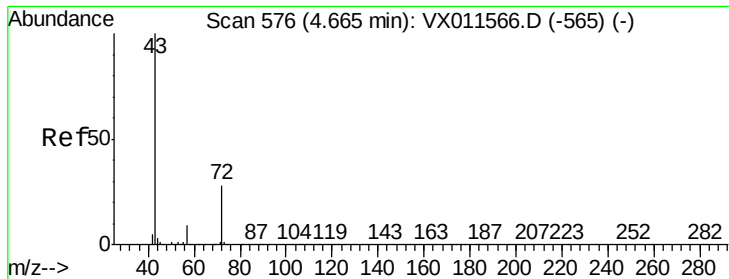
Ion Ratio Lower Upper

63 100

98 7.7 3.7 11.1

100 4.4 2.1 6.3





#25

2-Butanone

Concen: 520.140 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Tot Ion: 43 Resp: 1453546

Ion Ratio Lower Upper

43 100

72 26.3 22.2 33.4

Instrument :

MSVOA_X

ClientSampleId :

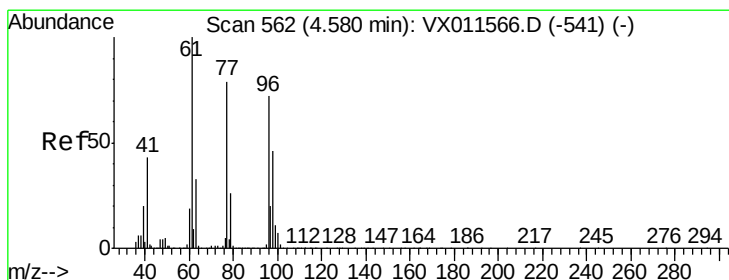
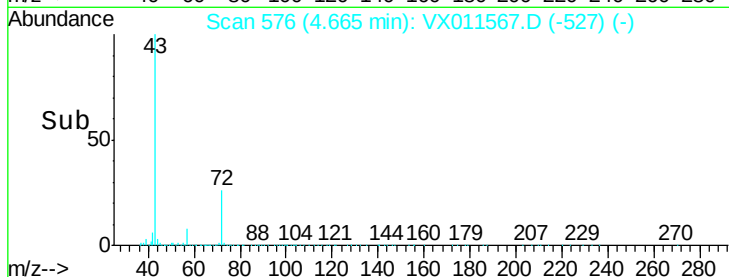
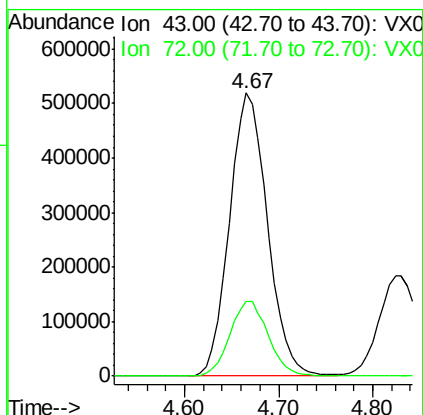
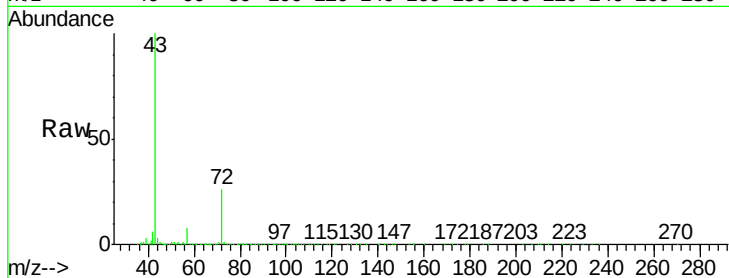
VSTDIC100

Manual Integrations

APPROVED

MMDadoda

8/16/2019 8:29:34 AM



#26

2,2-Dichloropropane

Concen: 92.380 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX011567.D

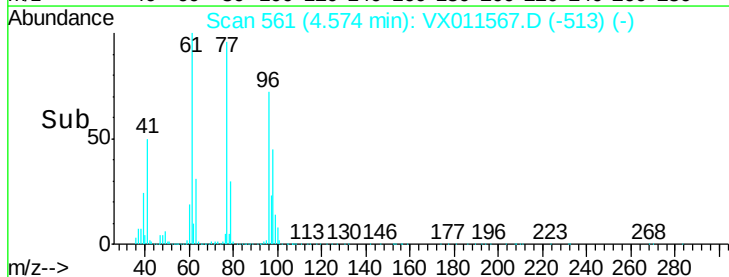
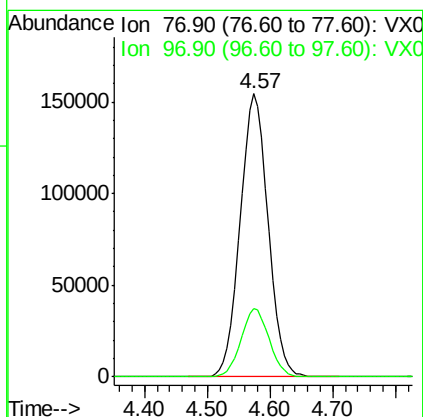
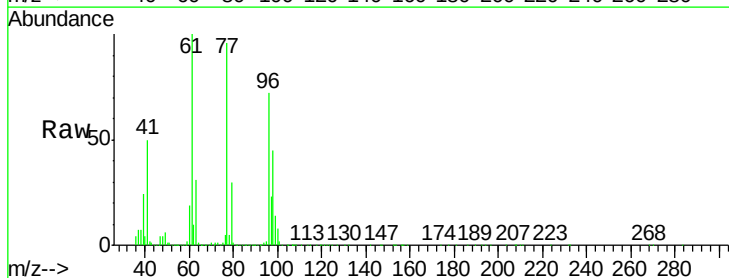
Acq: 15 Aug 2019 19:14

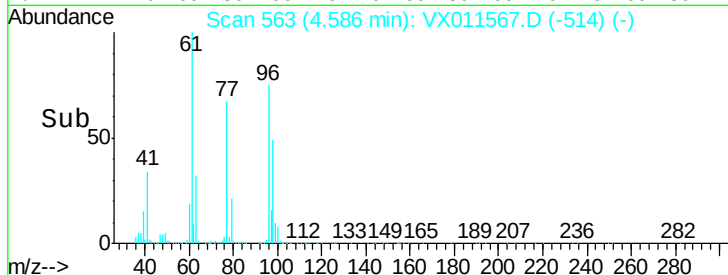
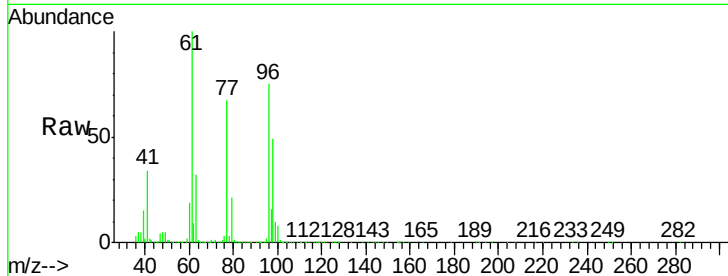
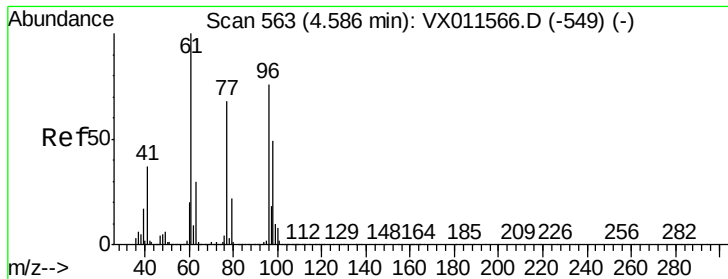
Tgt Ion: 77 Resp: 475506

Ion Ratio Lower Upper

77 100

97 24.4 12.4 37.2





#27

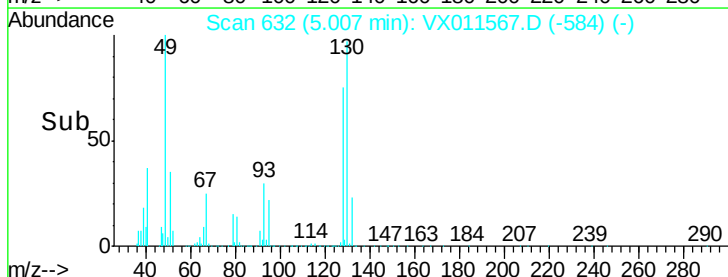
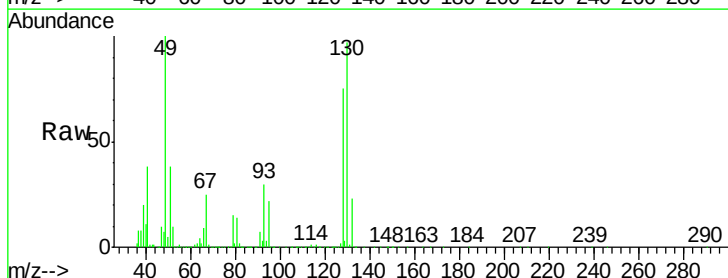
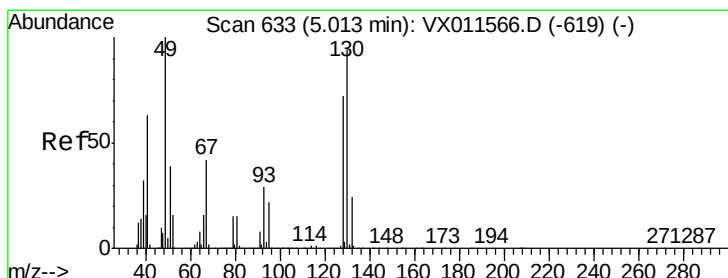
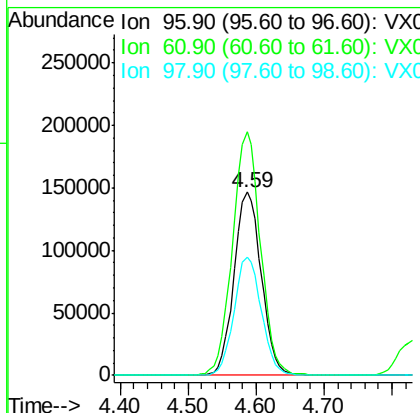
cis-1,2-Dichloroethene
Concen: 93.415 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Tot Ion	Ratio	Resp	Lower	Upper
96	100	407982		
61	135.9	0.0	272.6	
98	64.8	0.0	129.4	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Manual Integrations
APPROVED

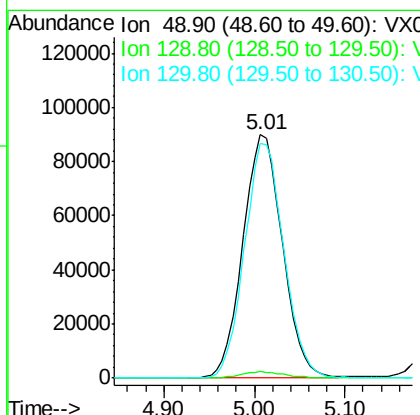
MMDadoda
8/16/2019 8:29:34 AM

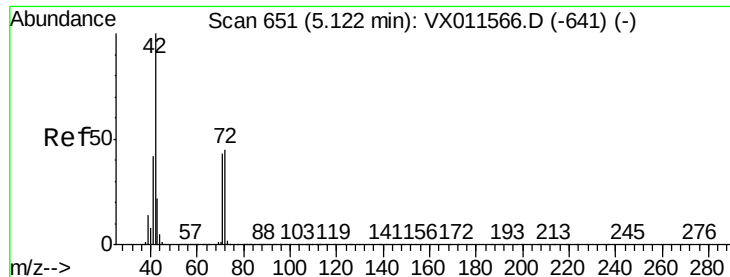


#28

Bromochloromethane
Concen: 91.414 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	272325		
129	2.8	0.0	5.0	
130	96.1	76.6	115.0	





#29

Tetrahydrofuran

Concen: 532.313 ug/l

RT: 5.12 min Scan# 651

Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Tot Ion	Ion	Ratio	Resp	Lower	Upper
42	42	100	951736		
72	72	45.5		36.1	54.1
71	71	42.5		33.8	50.8

Instrument :

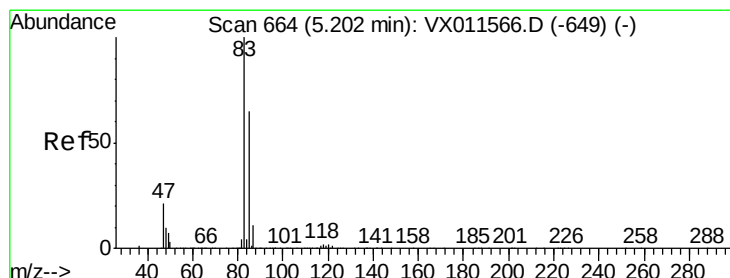
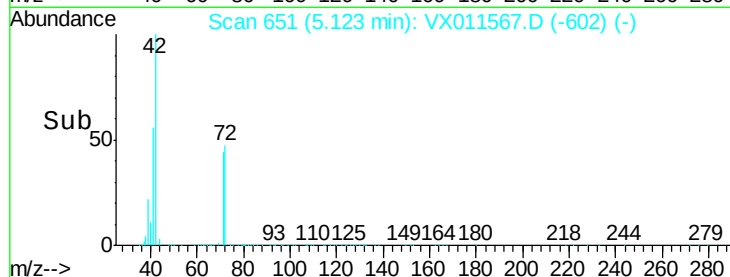
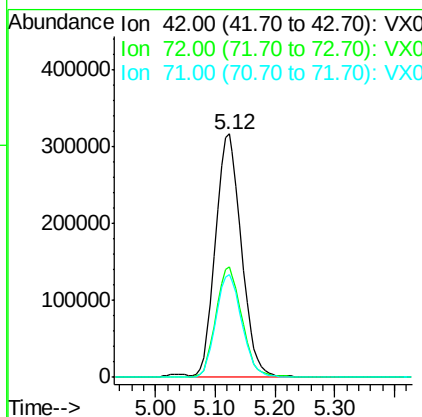
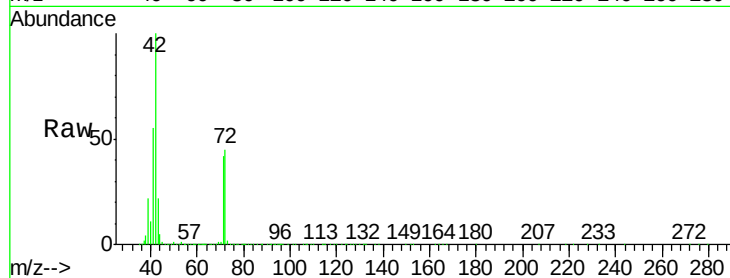
MSVOA_X

ClientSampleId :

VSTDIC100

Manual Integrations
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8/16/2019 8:29:34 AM



#30

Chloroform

Concen: 94.055 ug/l

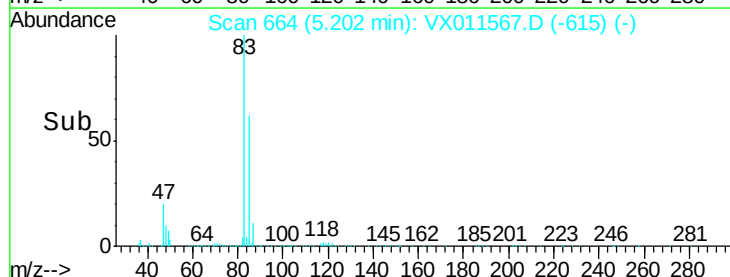
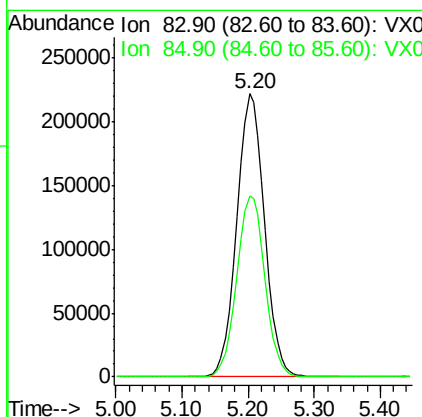
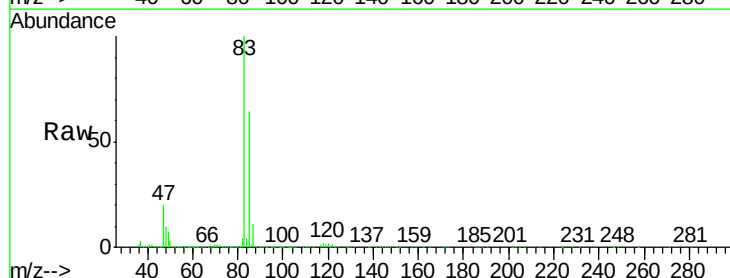
RT: 5.20 min Scan# 664

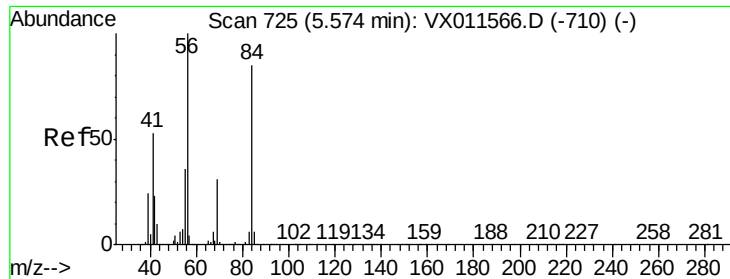
Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	83	100	645630		
85	85	63.9		51.9	77.9





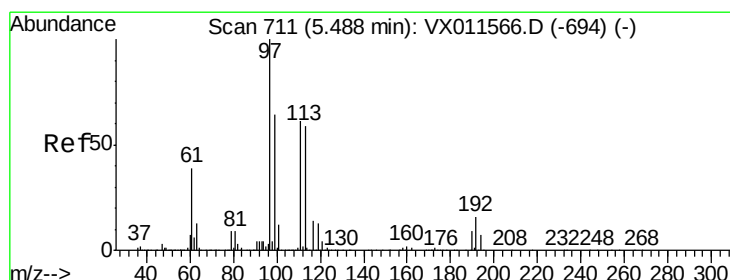
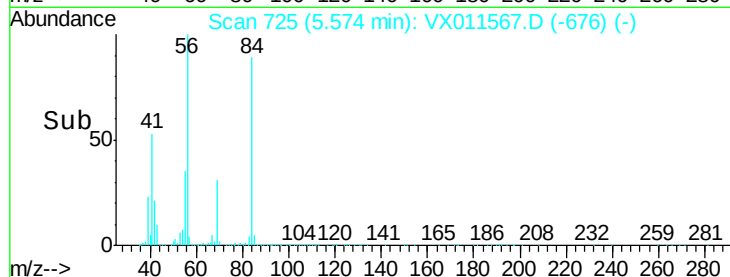
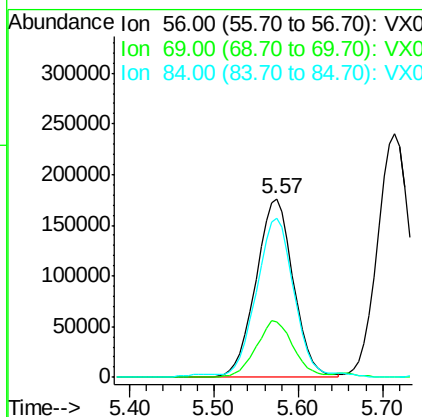
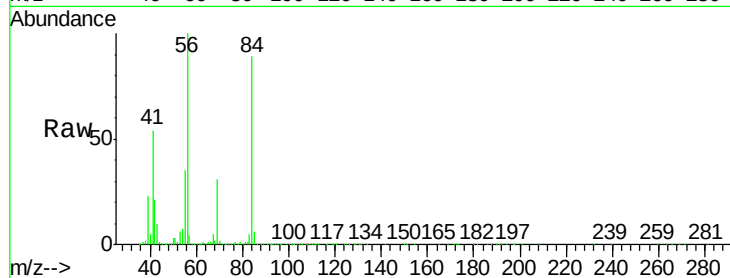
#31
Cyclohexane
Concen: 92.892 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	24.8	37.2
84	88.2	67.9	101.9

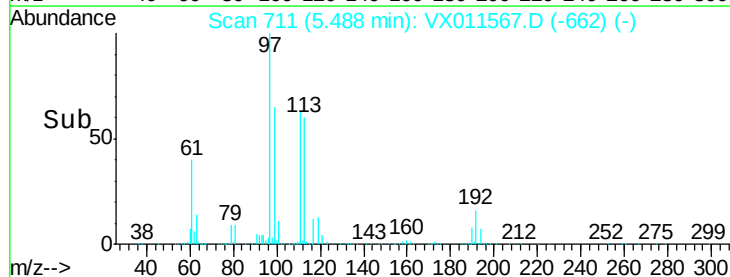
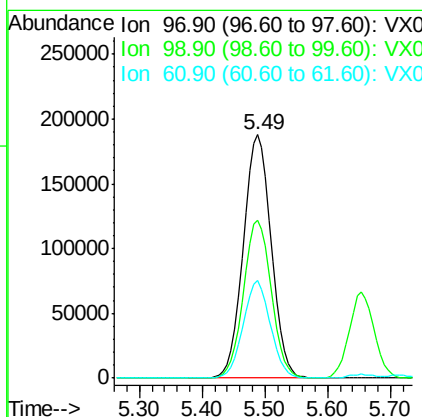
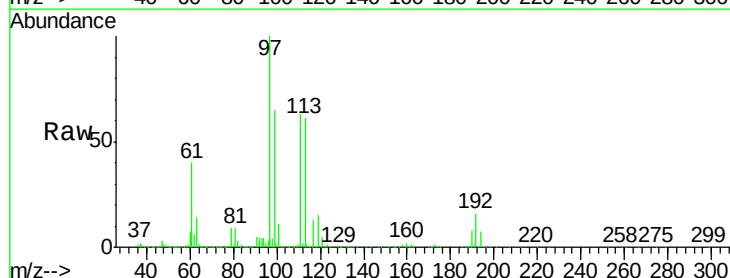
Manual Integrations
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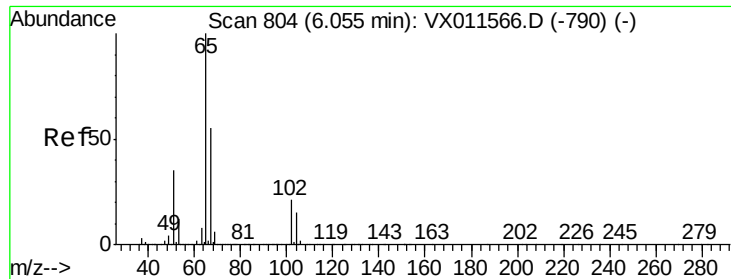
MMDadoda
8/16/2019 8:29:34 AM



#32
1,1,1-Trichloroethane
Concen: 97.570 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	38.9	31.4	47.2





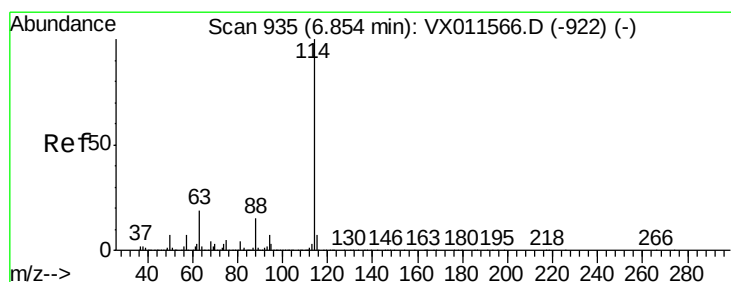
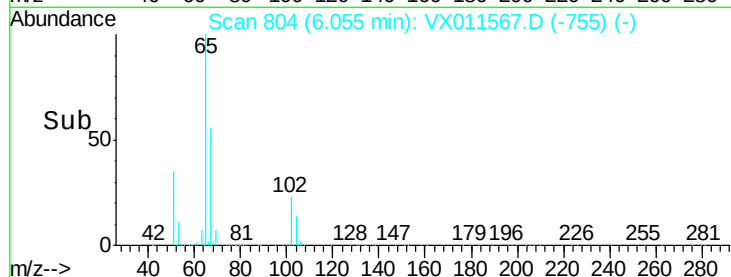
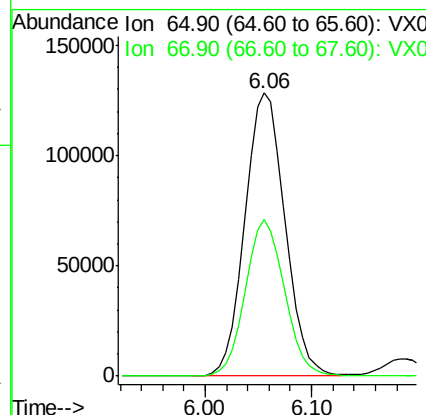
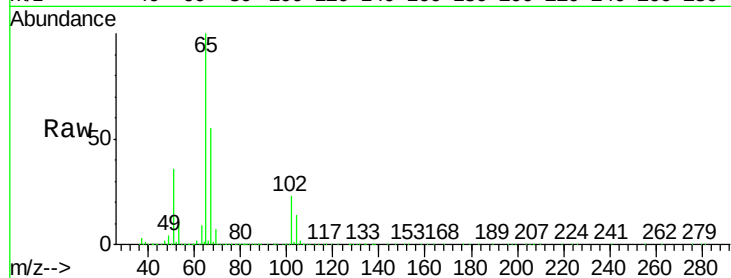
#33
 1,2-Dichloroethane-d4
 Concen: 82.355 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011567.D
 Acq: 15 Aug 2019 19:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	338920		
67	53.8	0.0	107.6	

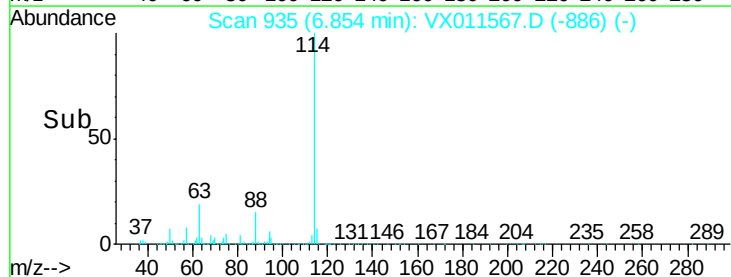
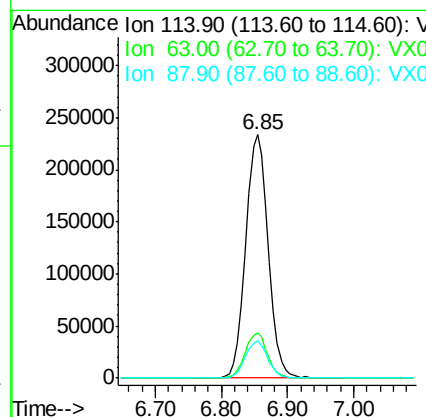
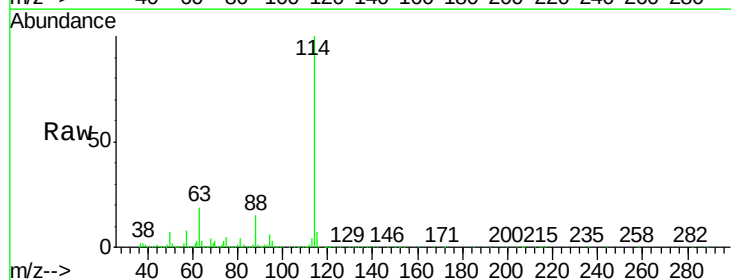
Manual Integrations
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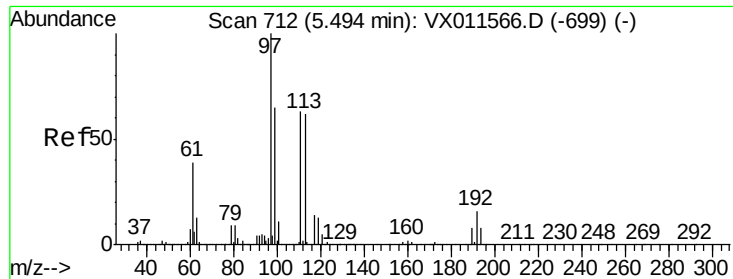
MMDadoda
 8/16/2019 8:29:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011567.D
 Acq: 15 Aug 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	548019		
63	18.5	0.0	37.8	
88	15.5	0.0	30.2	





#35

Dibromofluoromethane

Concen: 95.467 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Instrument :

MSVOA_X

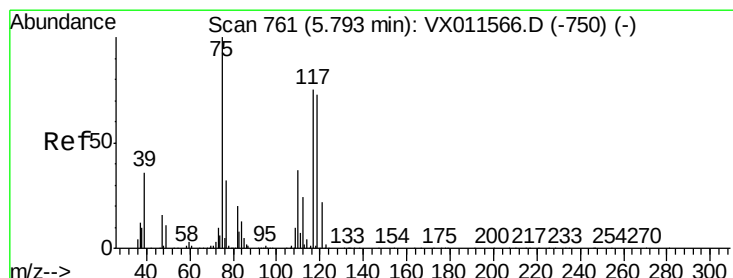
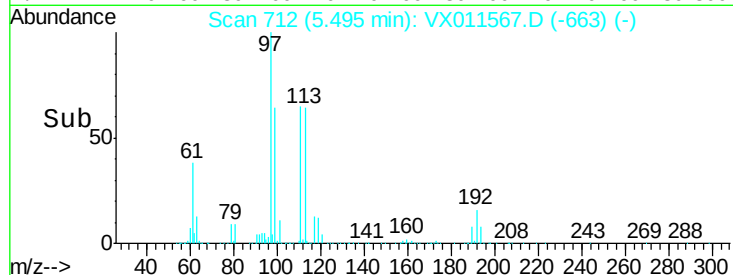
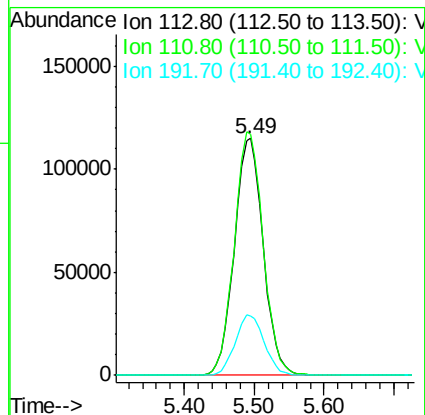
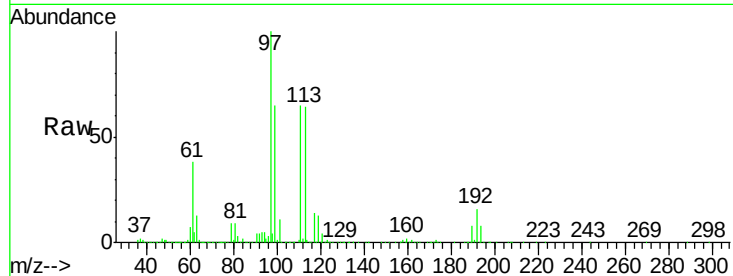
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	329667
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.1	121.7
192	25.7	20.8	31.2

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:29:34 AM



#36

1,1-Dichloropropene

Concen: 102.411 ug/l

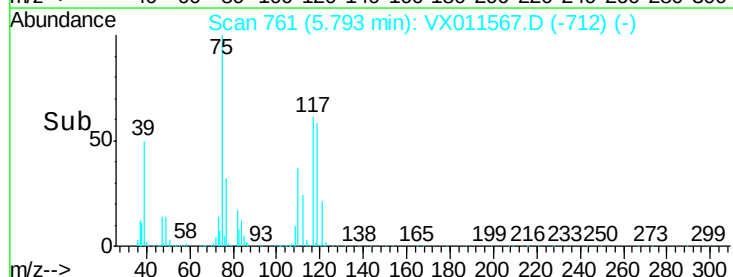
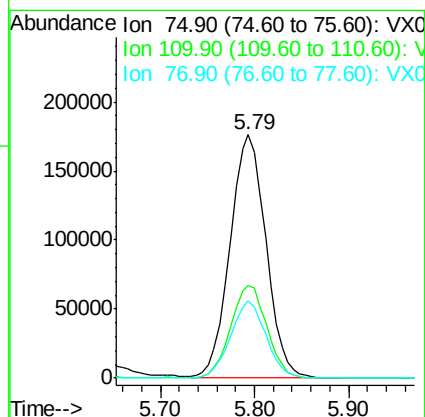
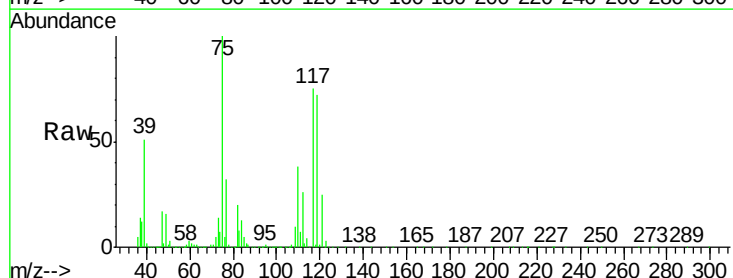
RT: 5.79 min Scan# 761

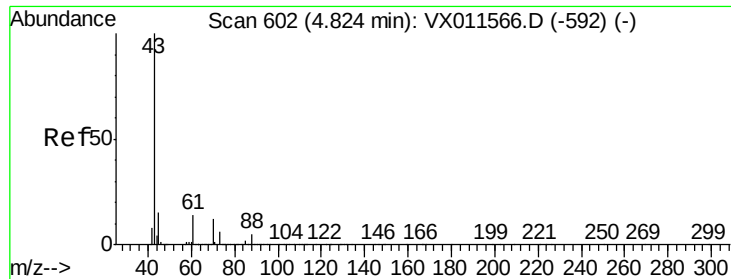
Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Tgt Ion:	75	Resp:	466238
Ion Ratio	Lower	Upper	
75	100		
110	38.6	19.4	58.1
77	31.0	25.1	37.7





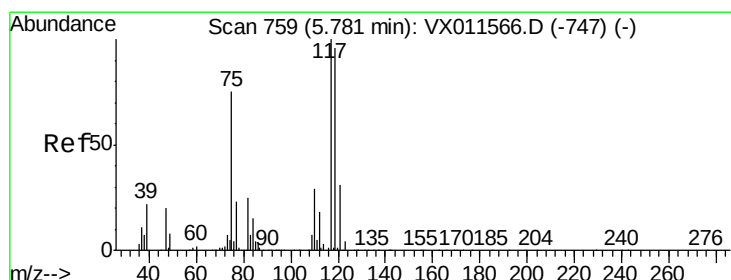
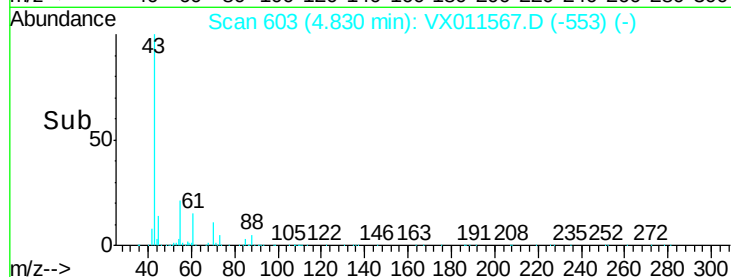
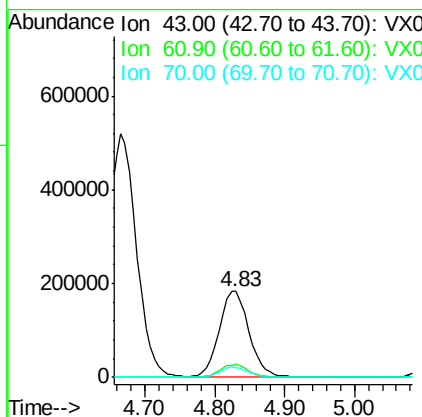
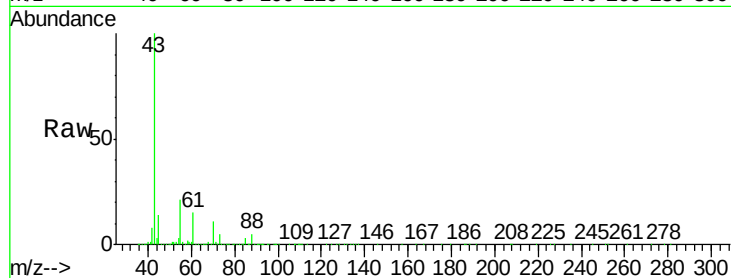
#37
Ethyl Acetate
Concen: 114.109 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.01 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:	43	Resp:	541225
Ion Ratio		Lower	Upper
43	100		
61	14.2	11.4	17.0
70	11.3	9.0	13.6

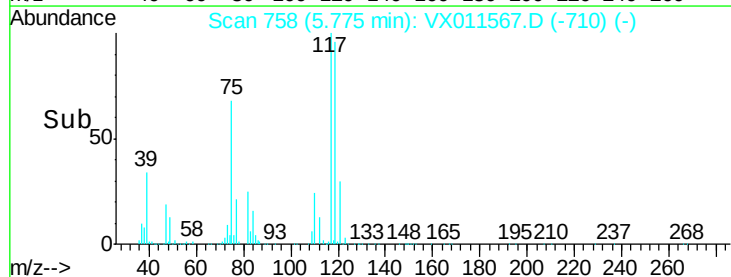
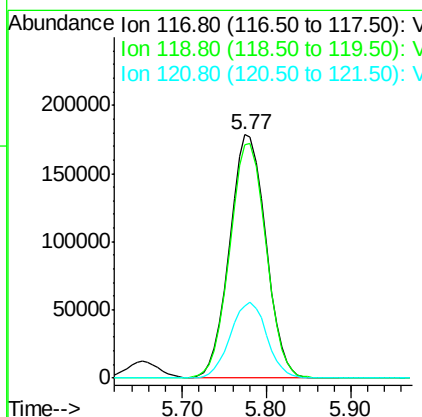
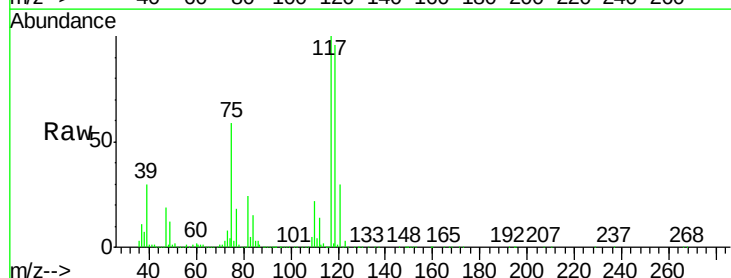
Manual Integrations
APPROVED

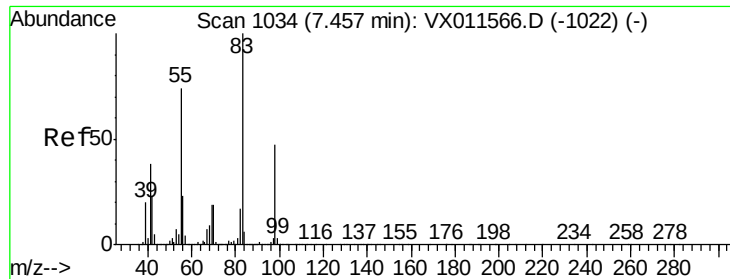
MMDadoda
8/16/2019 8:29:34 AM



#38
Carbon Tetrachloride
Concen: 108.861 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Tgt Ion:	117	Resp:	520720
Ion Ratio		Lower	Upper
117	100		
119	95.6	76.9	115.3
121	29.7	24.8	37.2





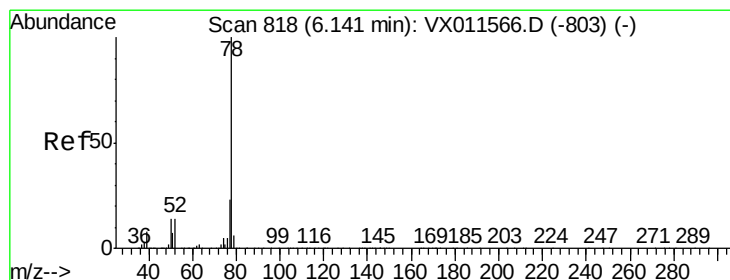
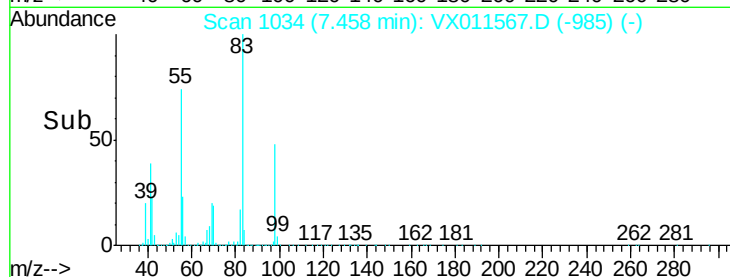
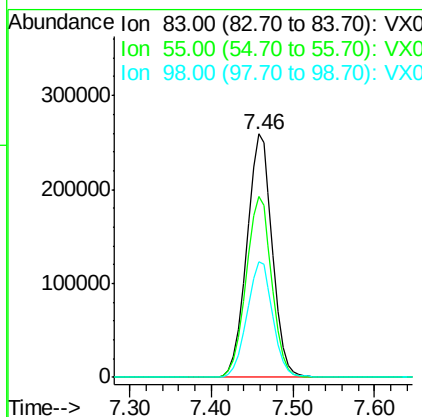
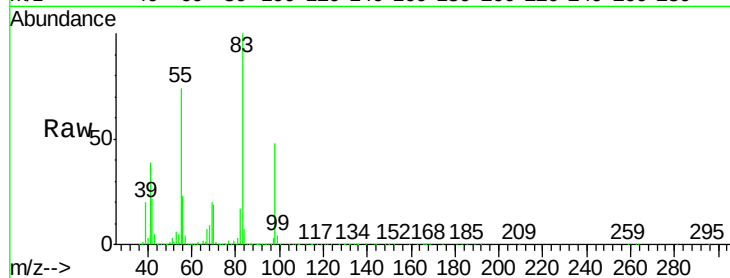
#39
Methylvlcyclohexane
Concen: 96.140 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.1	58.8	88.2
98	47.5	37.8	56.6

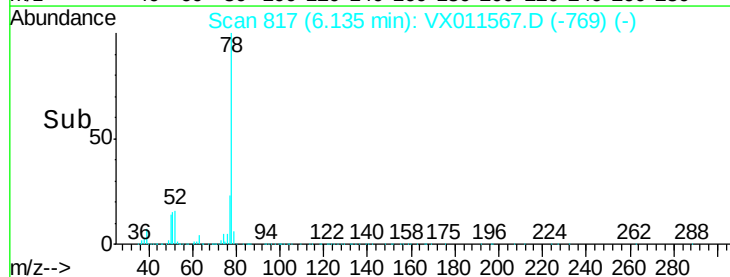
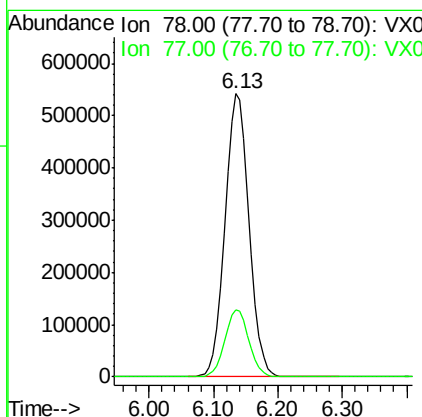
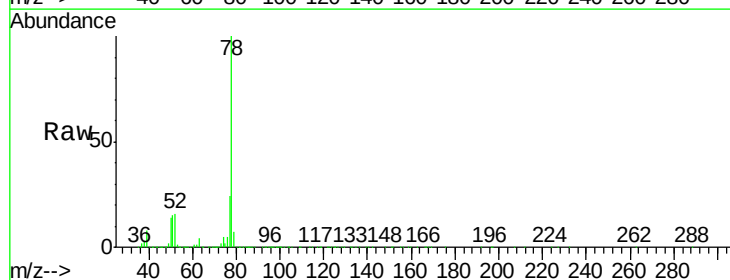
Manual Integrations
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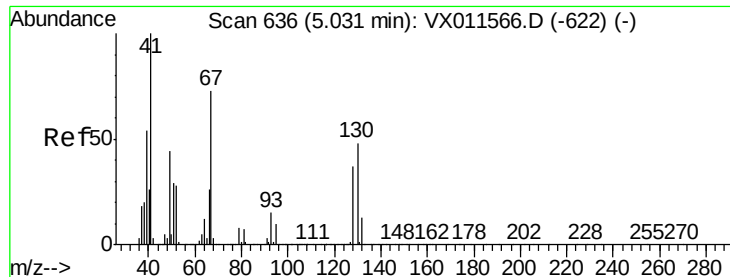
MMDadoda
8/16/2019 8:29:34 AM



#40
Benzene
Concen: 101.898 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	28.0





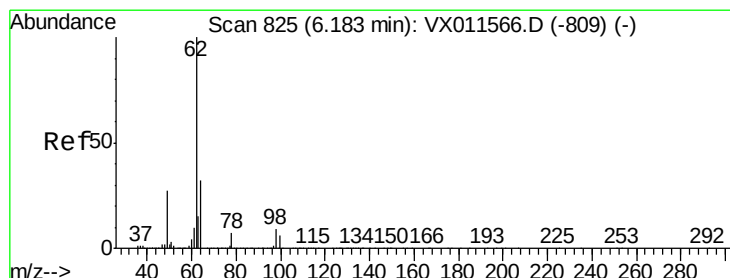
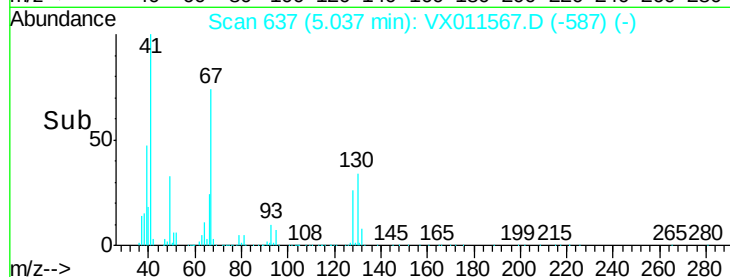
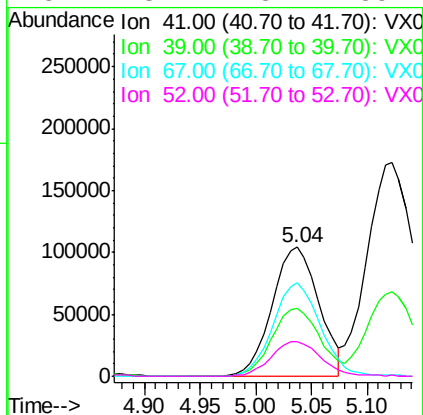
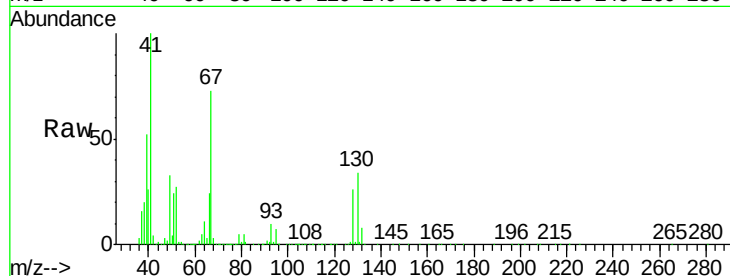
#41
Methacrylonitrile
Concen: 111.248 ug/l
RT: 5.04 min Scan# 637
Delta R.T. 0.01 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		303086		
39	54.7	43.5	65.3		
67	74.1	59.4	89.2		
52	28.4	23.4	35.2		

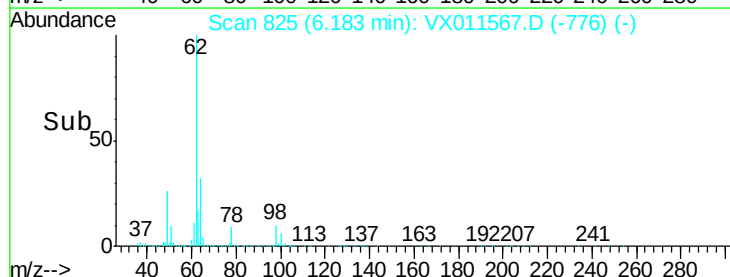
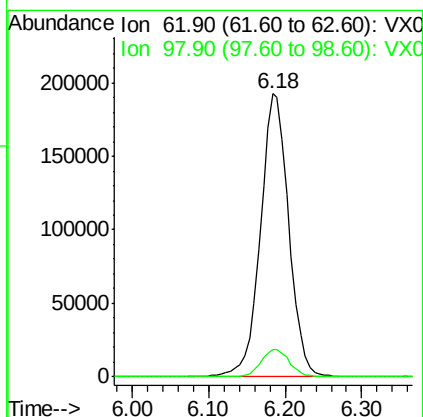
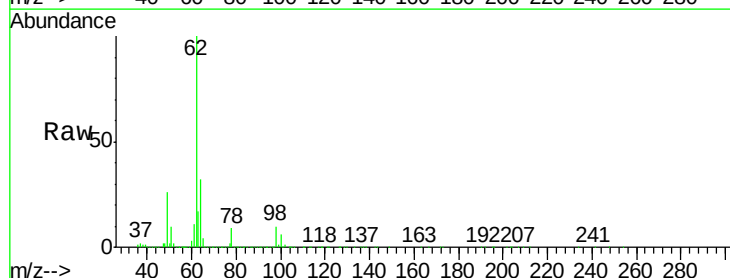
Manual Integrations
APPROVED

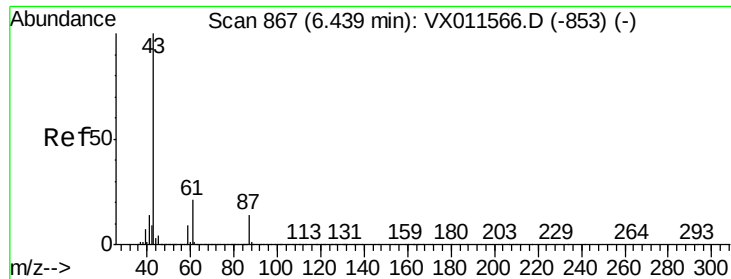
MMDadoda
8/16/2019 8:29:34 AM



#42
1,2-Dichloroethane
Concen: 101.428 ug/l
RT: 6.18 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		496020		
98	9.9	0.0	19.4		





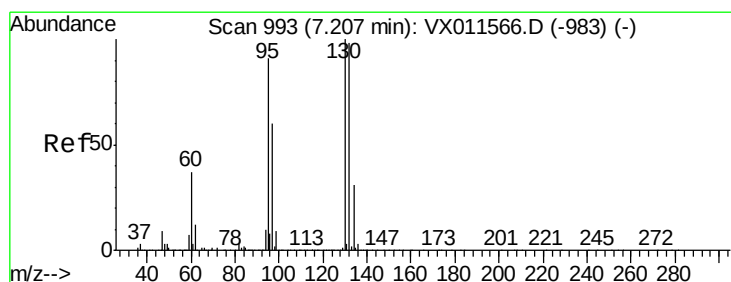
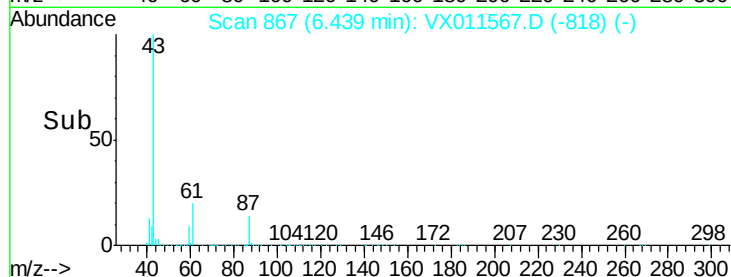
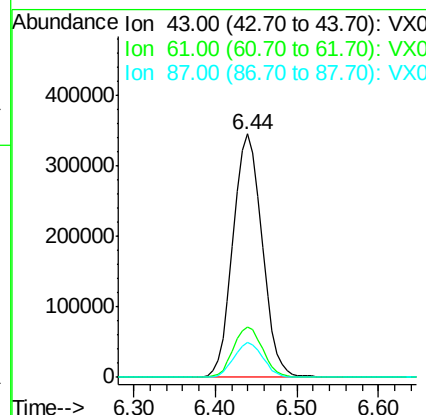
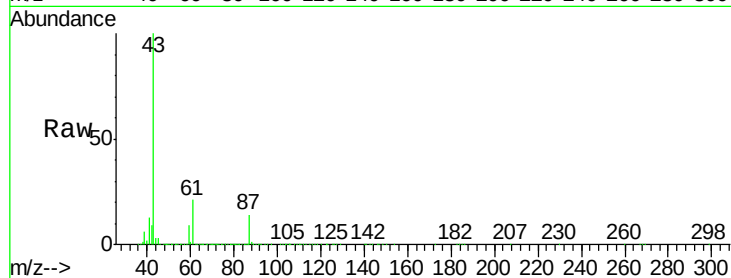
#43
Isopropyl Acetate
Concen: 110.015 ug/l
RT: 6.44 min Scan# 867
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.6	24.8
87	14.4	11.4	17.2

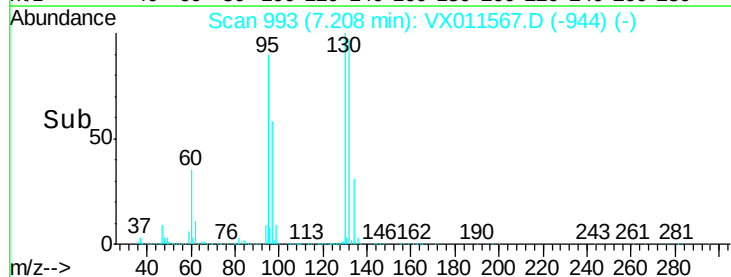
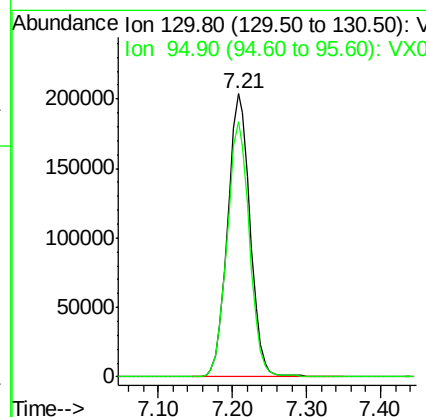
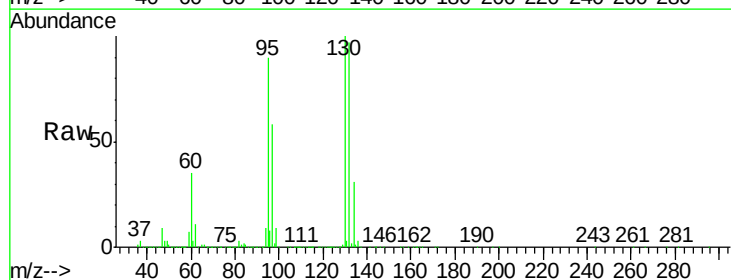
Manual Integrations
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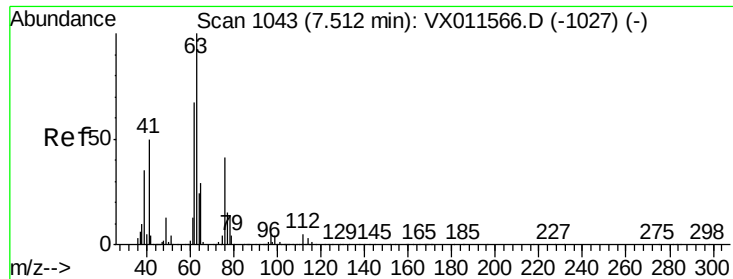
MMDadoda
8/16/2019 8:29:34 AM



#44
Trichloroethene
Concen: 103.679 ug/l
RT: 7.21 min Scan# 993
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.2	0.0	181.4





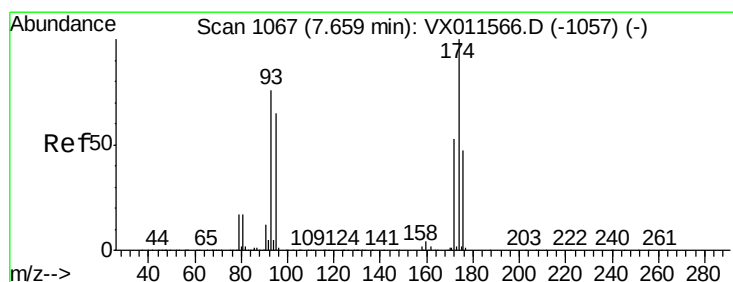
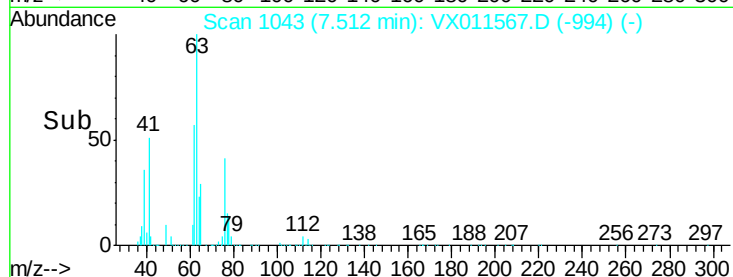
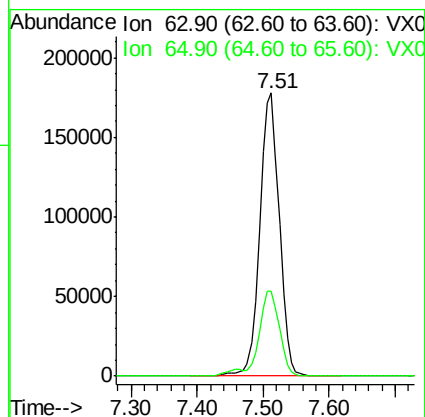
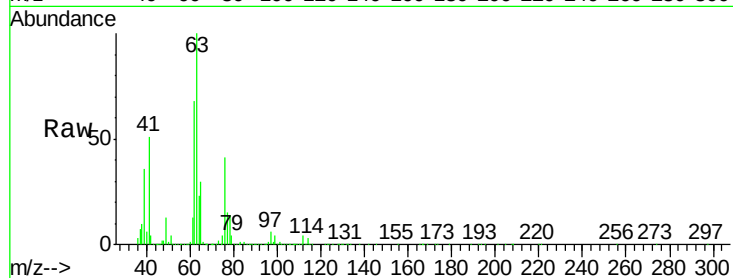
#45
 1,2-Dichloropropane
 Concen: 102.741 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX011567.D
 Acq: 15 Aug 2019 19:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
63	100	366181		
65	30.2		23.4	35.2

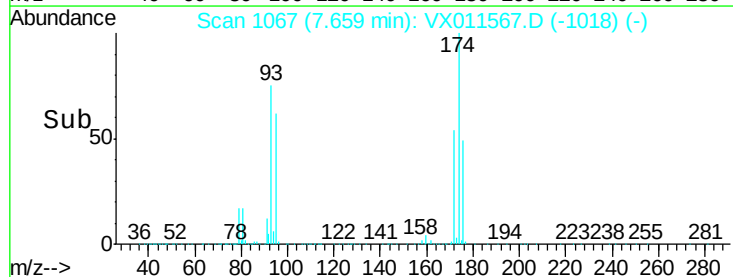
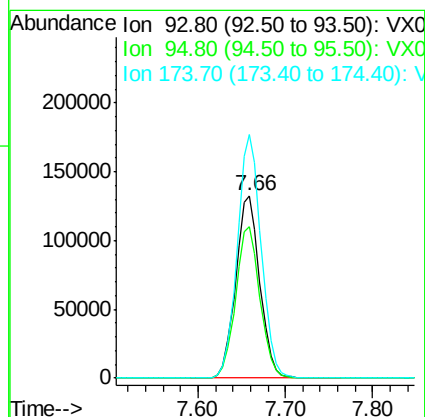
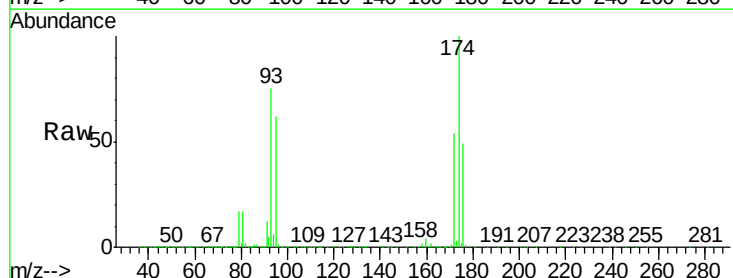
Manual Integrations
 APPROVED

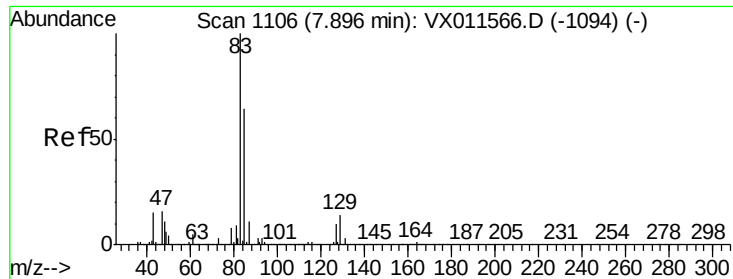
MMDadoda
 8/16/2019 8:29:34 AM



#46
 Dibromomethane
 Concen: 100.694 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011567.D
 Acq: 15 Aug 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	254122		
95	83.6		67.2	100.8
174	132.3		105.5	158.3





#47

Bromodichloromethane

Concen: 108.982 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Instrument :

MSVOA_X

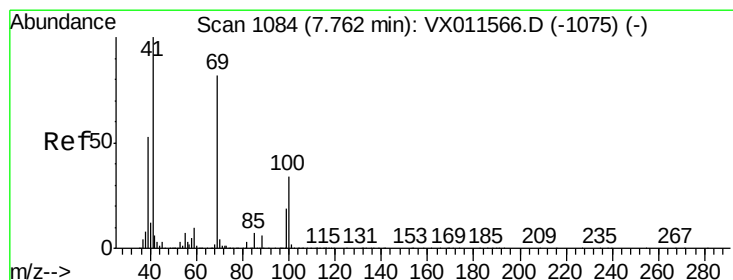
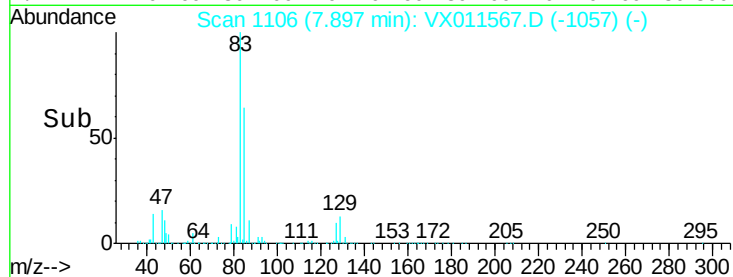
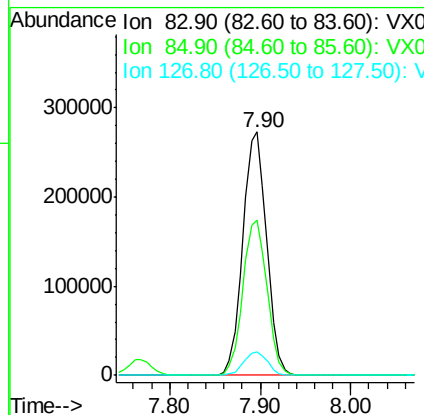
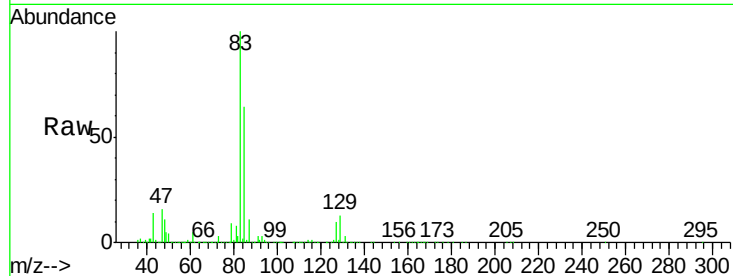
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	494970
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.2	76.8
127	9.8	8.1	12.1

Manual Integrations
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MMDadoda
8/16/2019 8:29:34 AM



#48

Methyl methacrylate

Concen: 113.878 ug/l

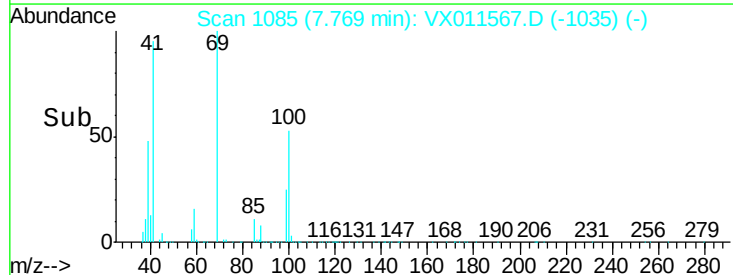
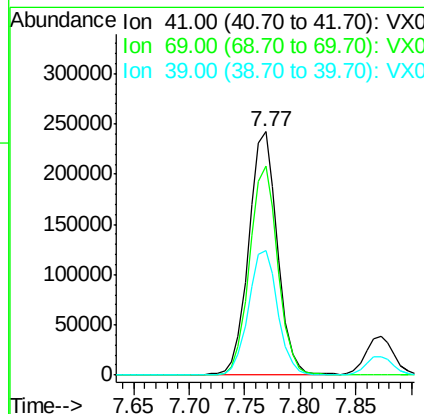
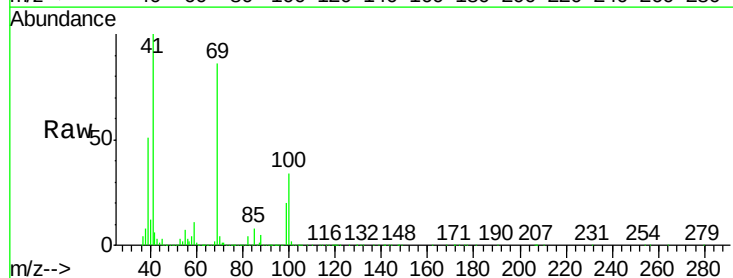
RT: 7.77 min Scan# 1085

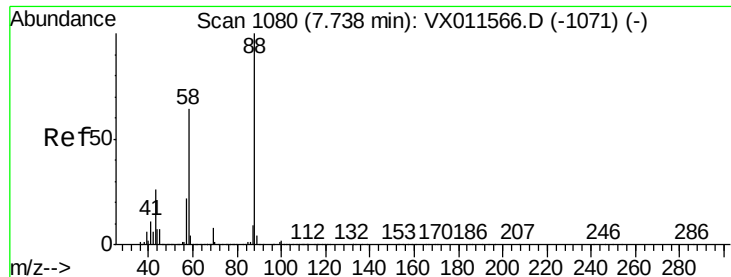
Delta R.T. 0.01 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Tgt Ion:	41	Resp:	434571
Ion Ratio	Lower	Upper	
41	100		
69	84.9	67.9	101.9
39	52.0	41.6	62.4





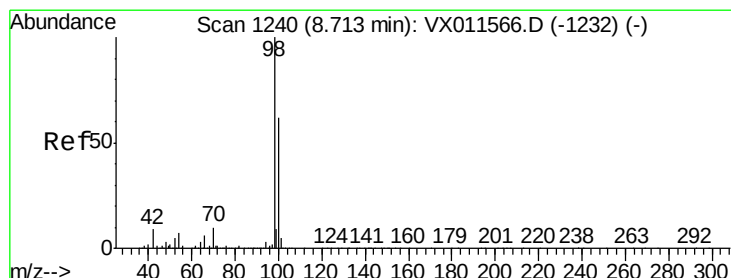
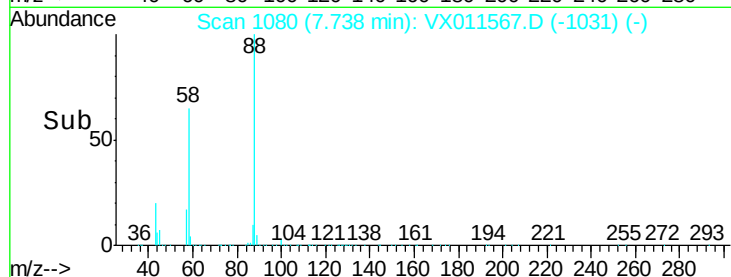
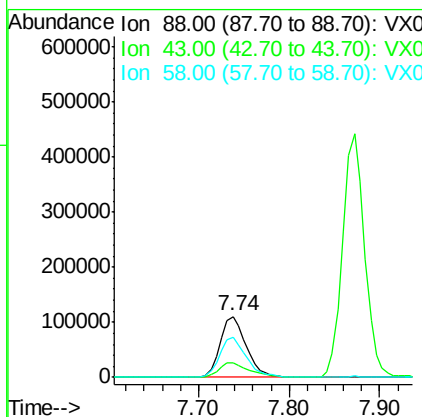
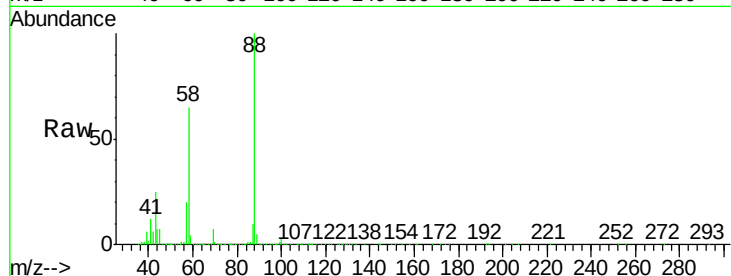
#49
1,4-Dioxane
Concen: 2091.307 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.3	23.4	35.0
58	67.5	54.3	81.5

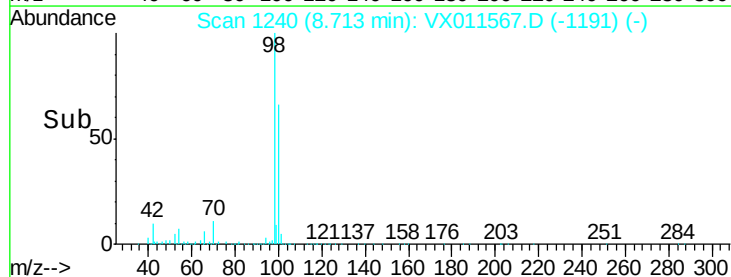
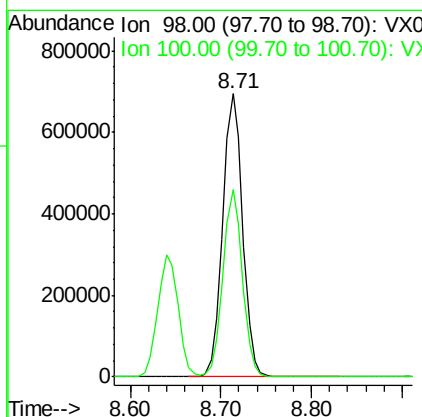
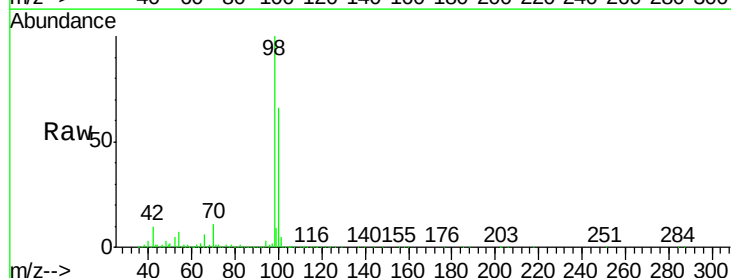
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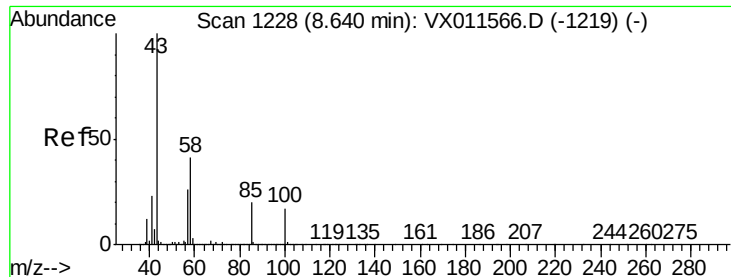
MMDadoda
8/16/2019 8:29:34 AM



#50
Toluene-d8
Concen: 84.555 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.4	78.6





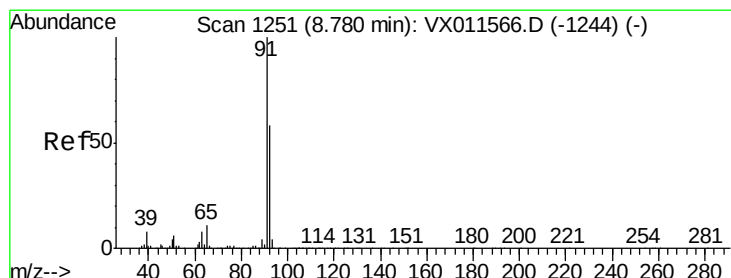
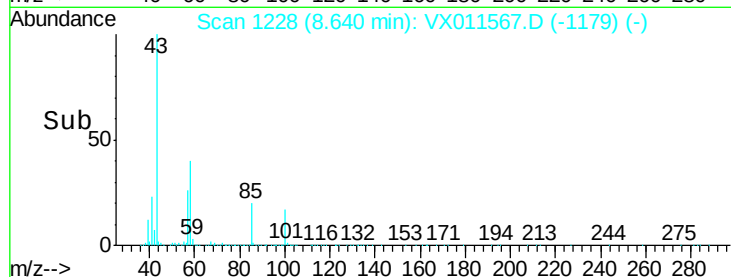
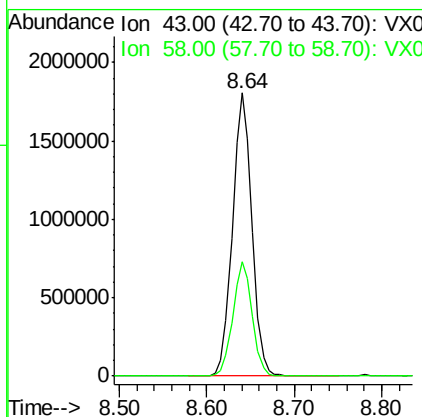
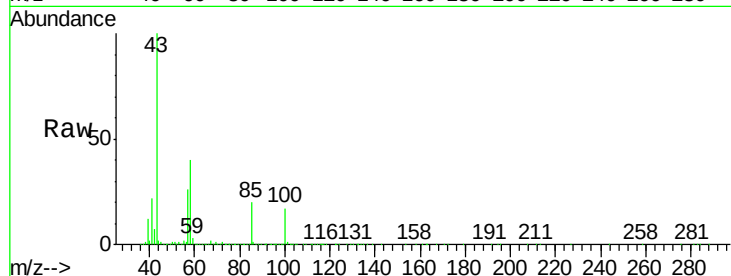
#51
 4-Methyl-2-Pentanone
 Concen: 554.855 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VX011567.D
 Acq: 15 Aug 2019 19:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 2799789
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.8 47.6

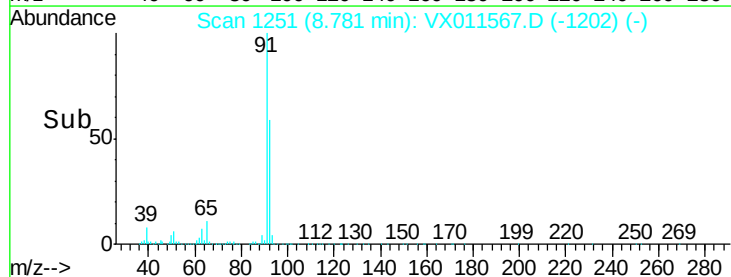
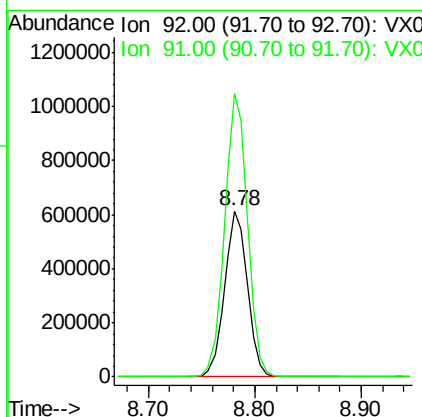
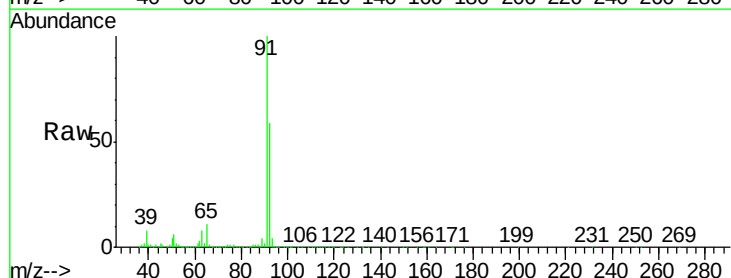
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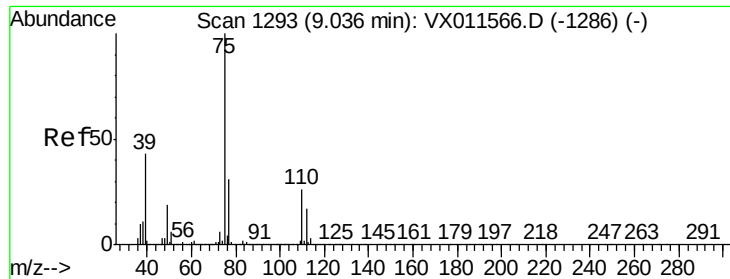
MMDadoda
 8/16/2019 8:29:34 AM



#52
 Toluene
 Concen: 100.463 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VX011567.D
 Acq: 15 Aug 2019 19:14

Tgt Ion: 92 Resp: 917075
 Ion Ratio Lower Upper
 92 100
 91 171.5 138.0 207.0





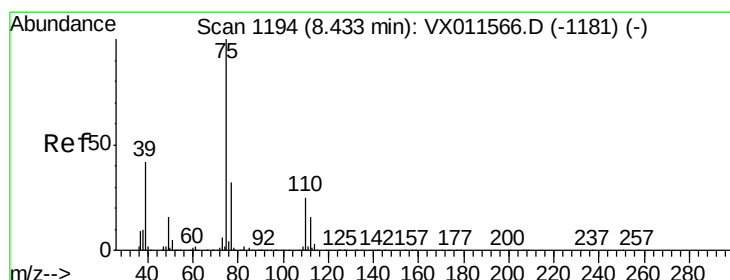
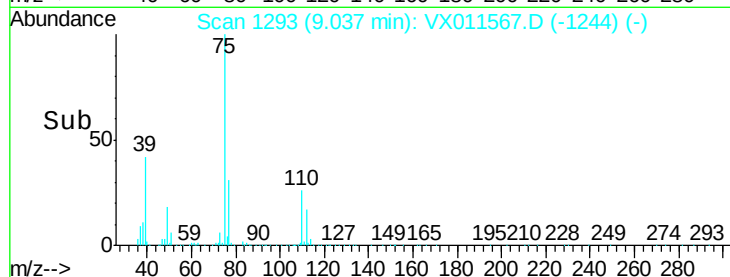
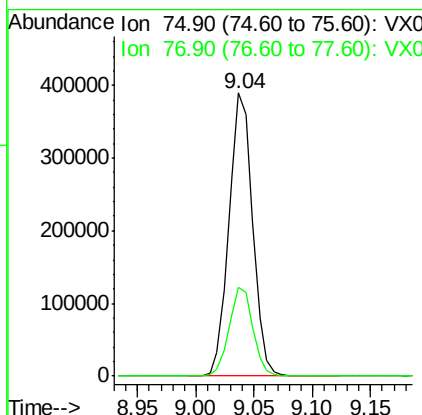
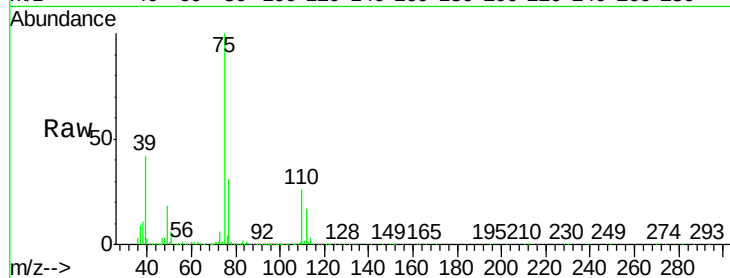
#53
t-1,3-Dichloropropene
Concen: 113.264 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7

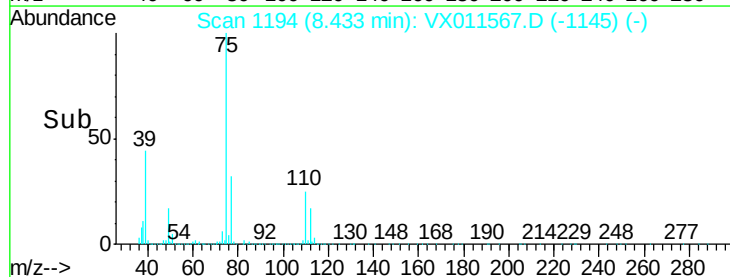
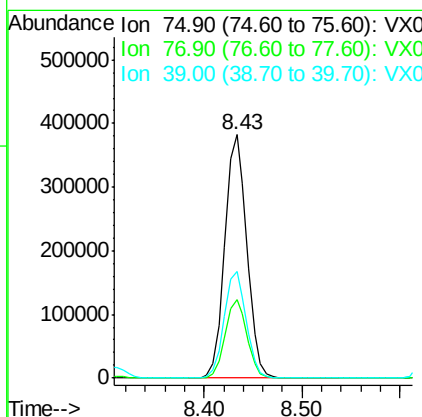
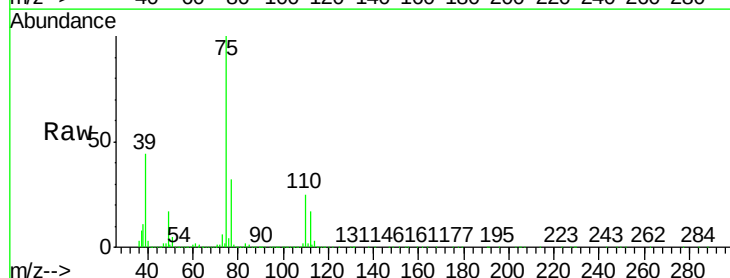
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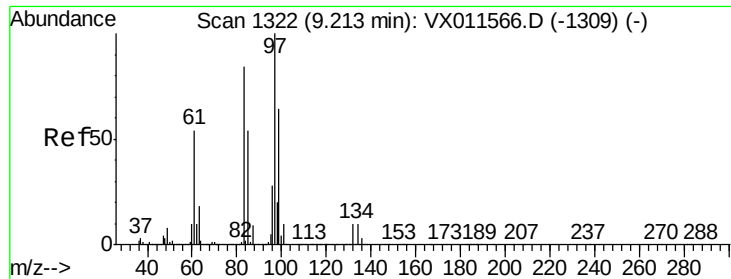
MMDadoda
8/16/2019 8:29:34 AM



#54
cis-1,3-Dichloropropene
Concen: 110.200 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.5	38.3
39	43.8	33.6	50.4





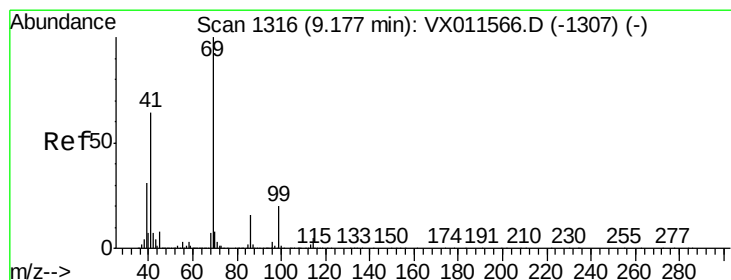
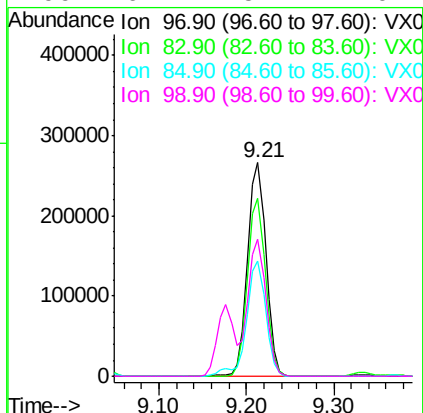
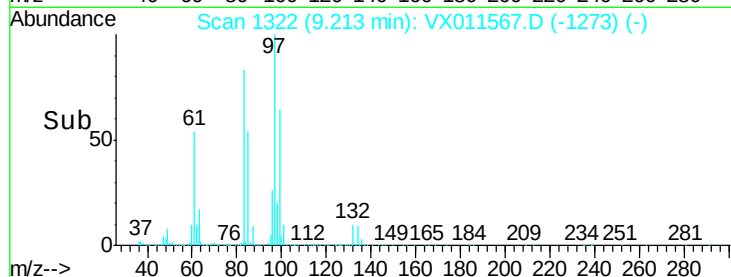
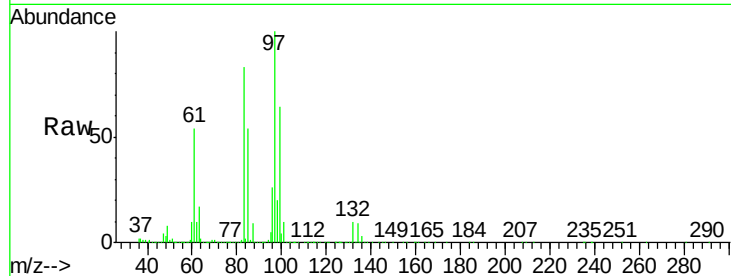
#55
 1,1,2-Trichloroethane
 Concen: 103.081 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011567.D
 Acq: 15 Aug 2019 19:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		388982		
83	83.4	67.4	101.0		
85	53.7	43.4	65.2		
99	64.1	51.1	76.7		

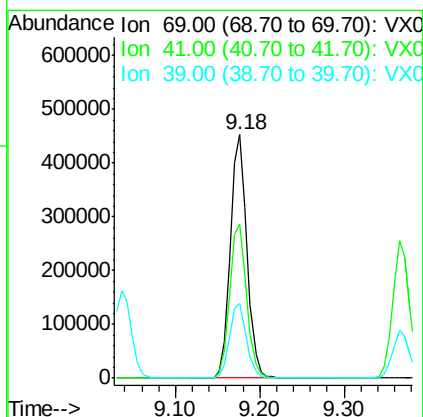
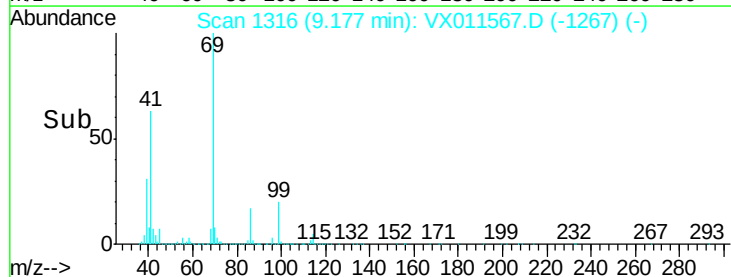
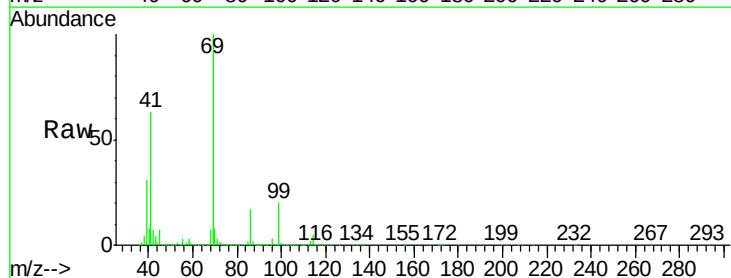
Manual Integrations
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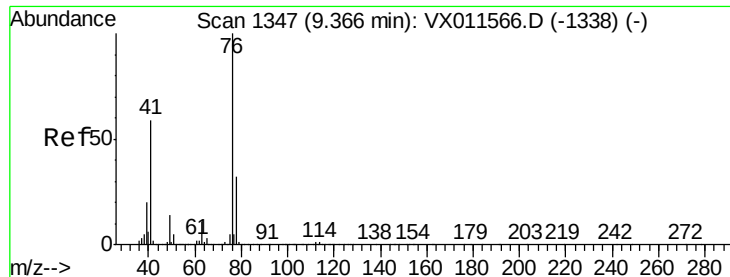
MMDadoda
 8/16/2019 8:29:34 AM



#56
 Ethyl methacrylate
 Concen: 110.502 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011567.D
 Acq: 15 Aug 2019 19:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		611076		
41	64.5	52.1	78.1		
39	31.4	25.4	38.0		





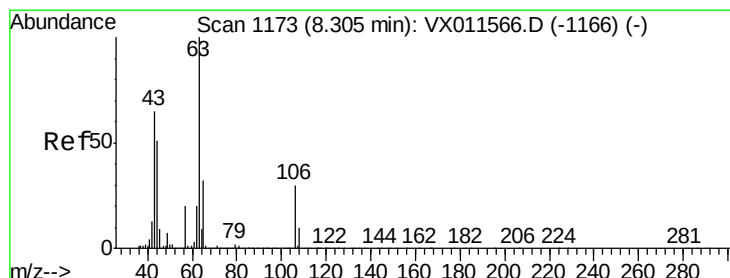
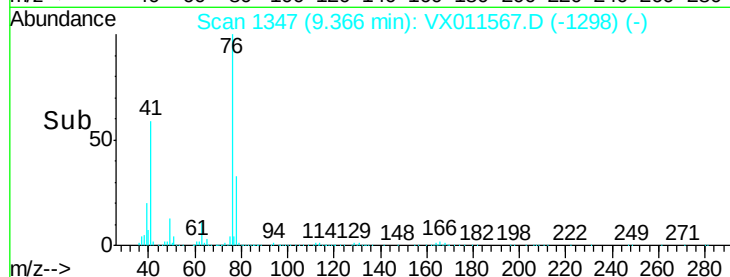
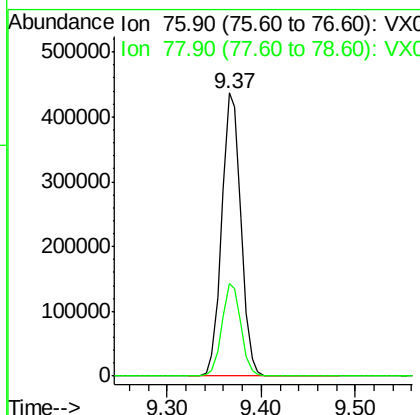
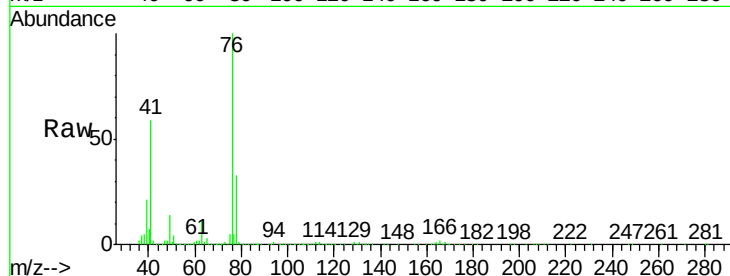
#57
 1,3-Dichloropropane
 Concen: 102.396 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011567.D
 Acq: 15 Aug 2019 19:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.4

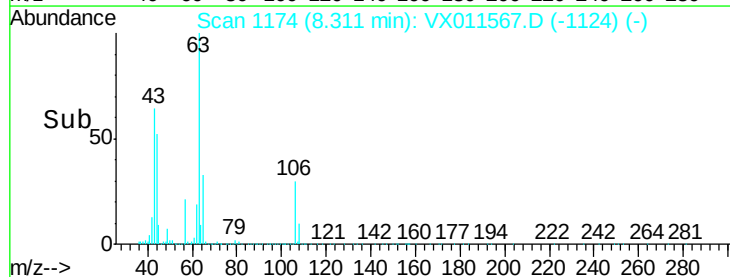
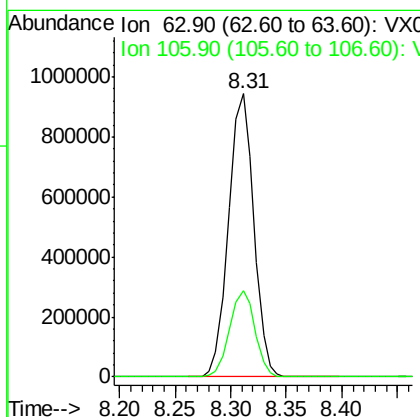
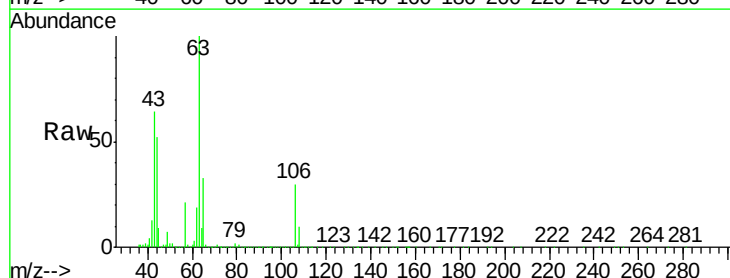
Manual Integrations
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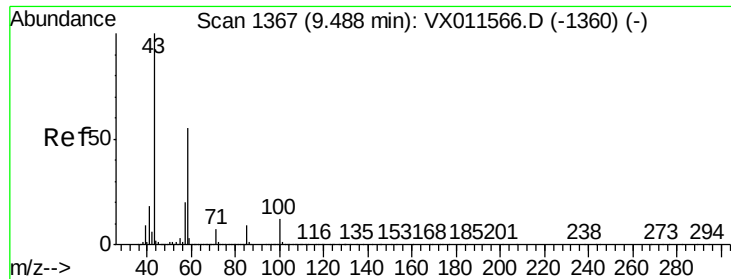
MMDadoda
 8/16/2019 8:29:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 556.932 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VX011567.D
 Acq: 15 Aug 2019 19:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.5	24.7	37.1





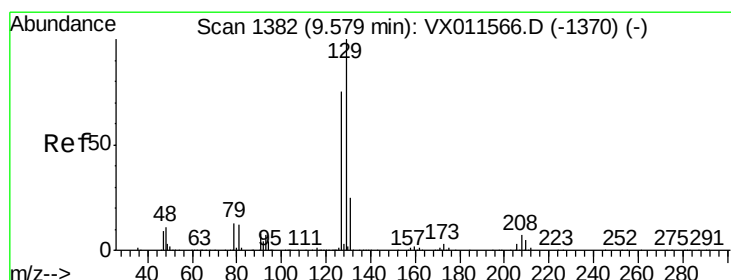
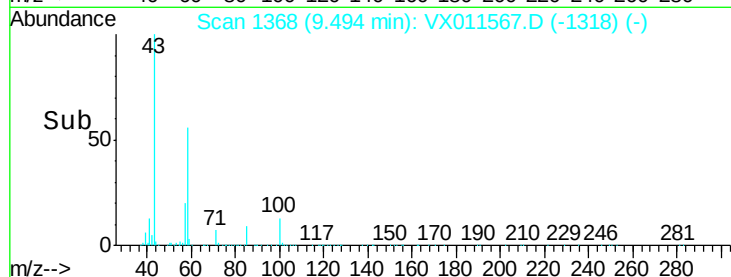
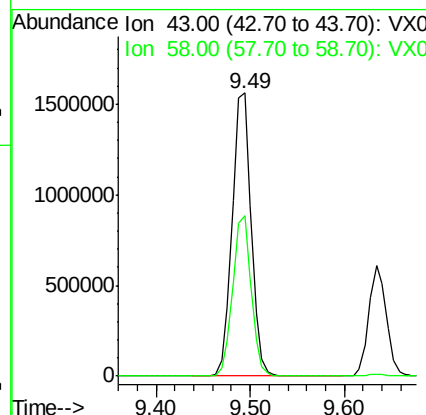
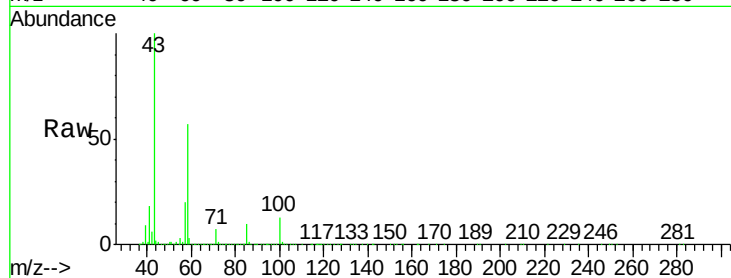
#59
2-Hexanone
Concen: 560.908 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 2188244
Ion Ratio Lower Upper
43 100
58 55.6 27.5 82.4

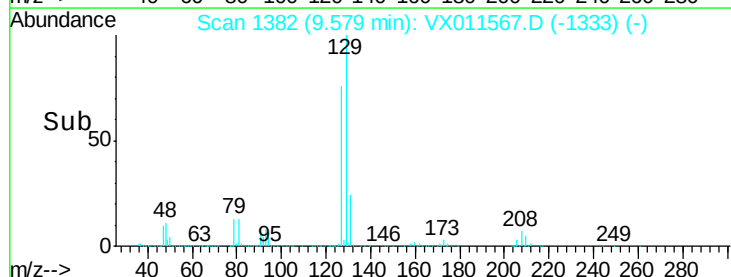
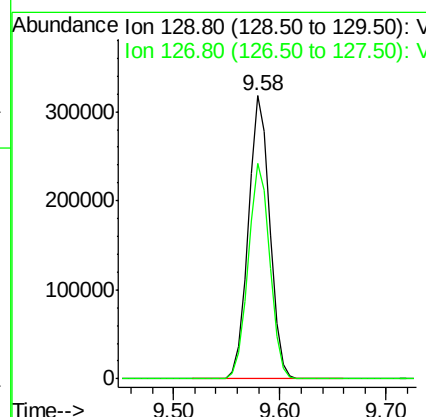
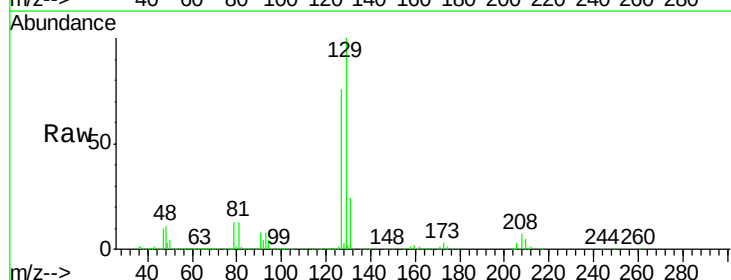
Manual Integrations
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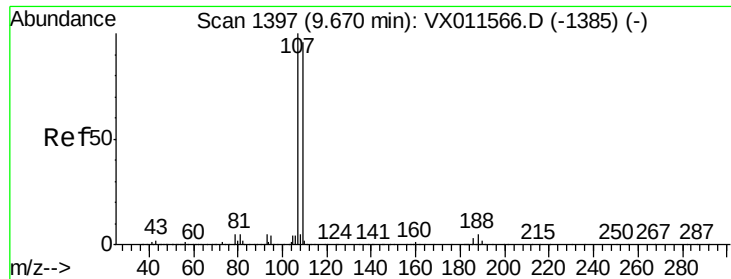
MMDadoda
8/16/2019 8:29:34 AM



#60
Dibromochloromethane
Concen: 116.548 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Tgt Ion: 129 Resp: 449889
Ion Ratio Lower Upper
129 100
127 76.7 38.0 114.1





#61

1,2-Dibromoethane

Concen: 105.674 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 423664

Ion Ratio Lower Upper

107 100

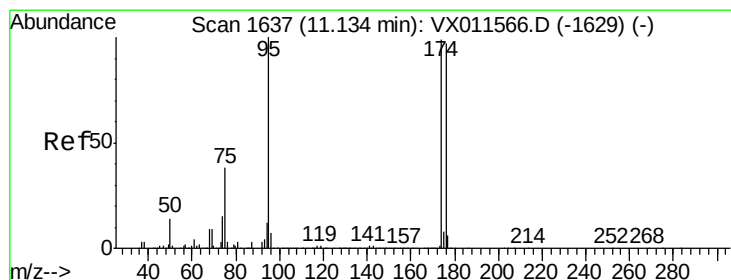
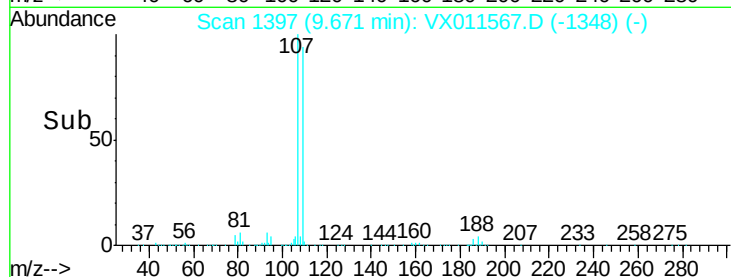
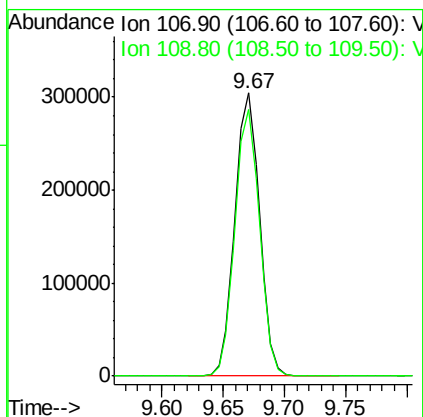
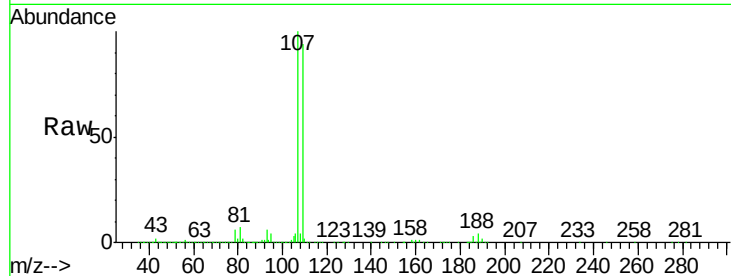
109 94.5 76.2 114.2

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 96.198 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

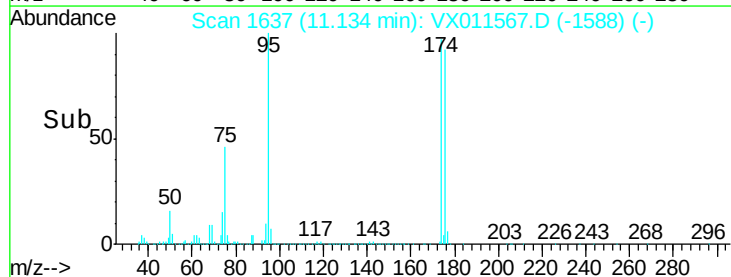
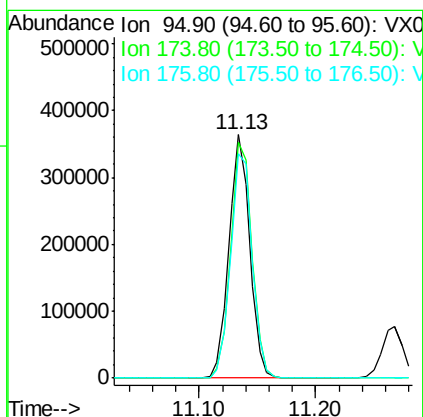
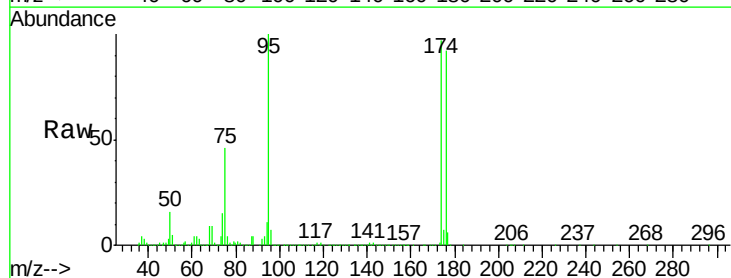
Tgt Ion: 95 Resp: 451454

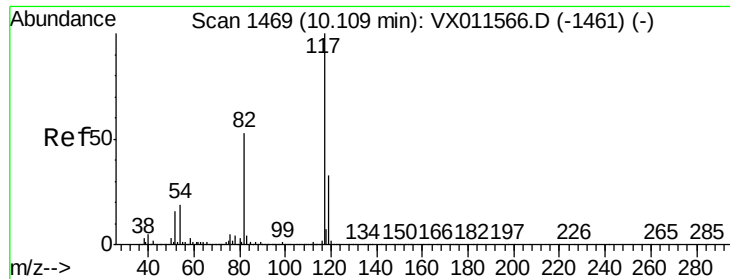
Ion Ratio Lower Upper

95 100

174 99.8 0.0 200.6

176 96.5 0.0 196.6





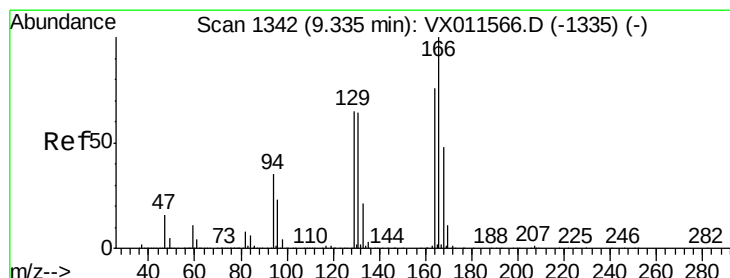
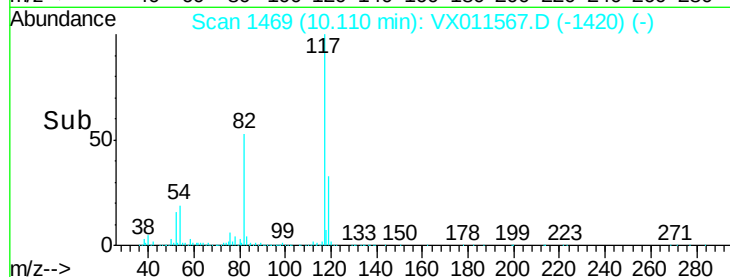
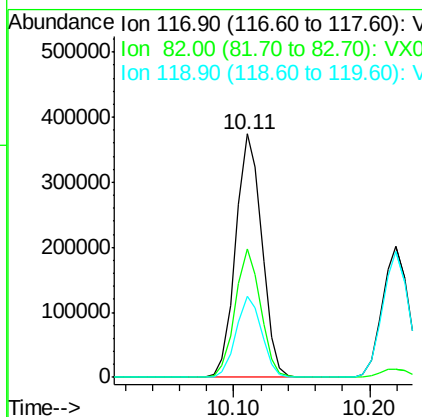
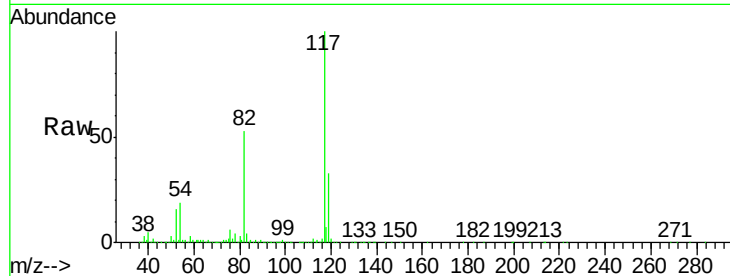
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	499654		
82	52.7	42.0	63.0	
119	33.2	26.5	39.7	

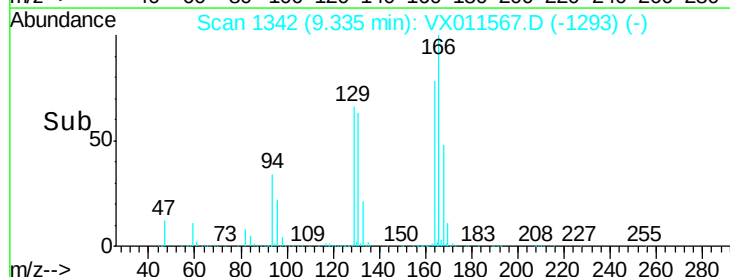
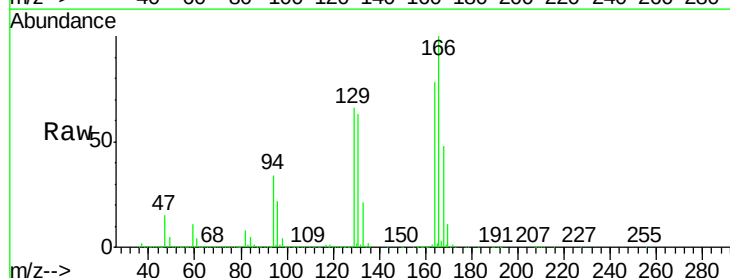
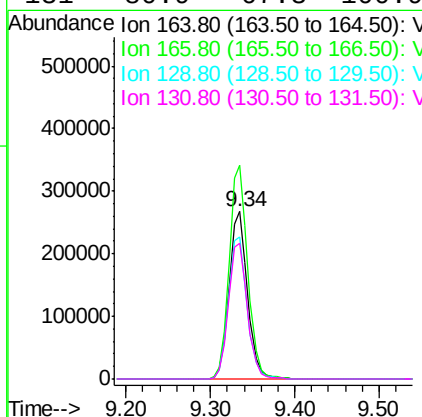
Manual Integrations
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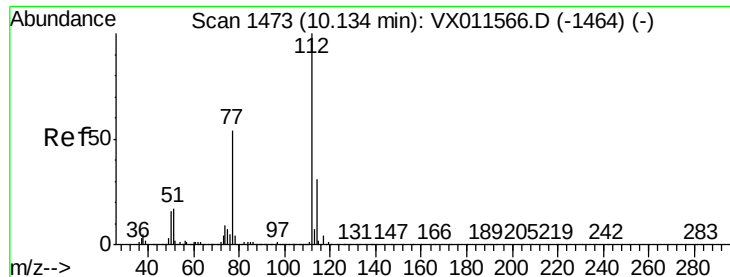
MMDadoda
8/16/2019 8:29:34 AM



#64
Tetrachloroethene
Concen: 100.357 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	399941		
166	127.7	104.7	157.1	
129	84.6	68.2	102.4	
131	80.9	67.3	100.9	





#65

Chlorobenzene

Concen: 100.375 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 1045194

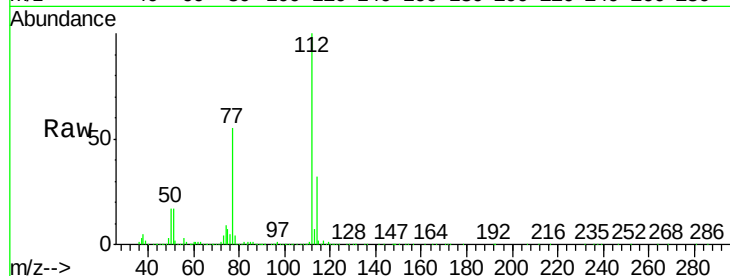
Ion Ratio Lower Upper

112 100

114 32.0 25.0 37.6

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

800000

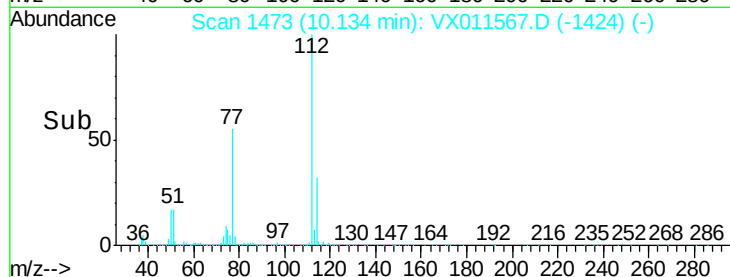
600000

400000

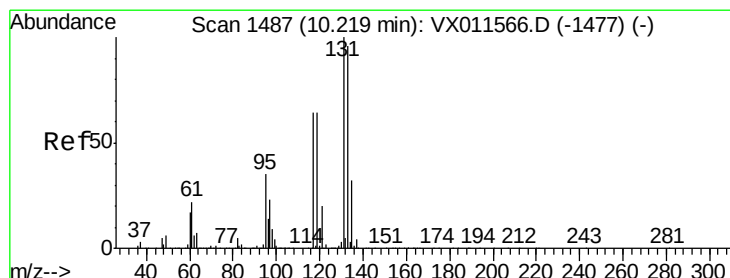
200000

0

Time-->



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 111.104 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

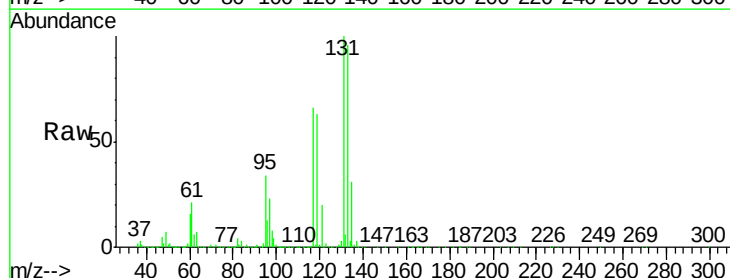
Tgt Ion:131 Resp: 408783

Ion Ratio Lower Upper

131 100

133 96.6 48.1 144.4

119 62.9 31.3 93.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.22

400000

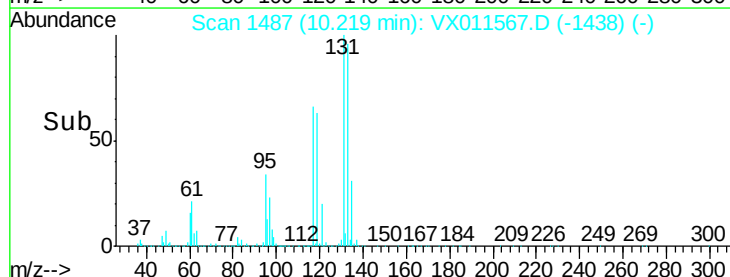
300000

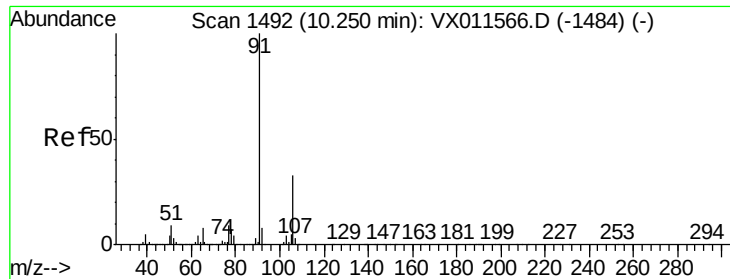
200000

100000

0

Time-->





#67

Ethyl Benzene

Concen: 101.570 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1785943

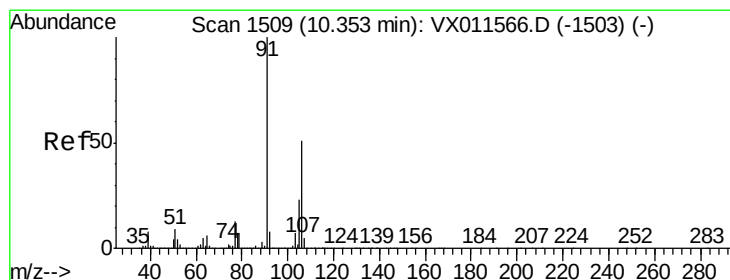
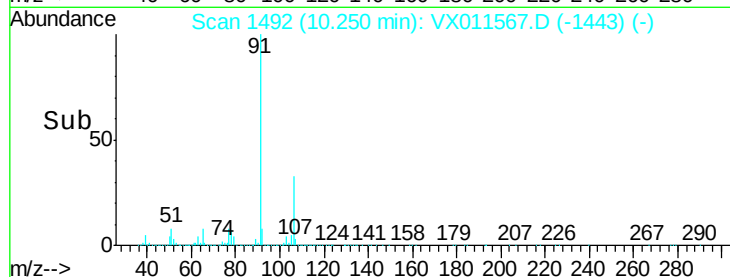
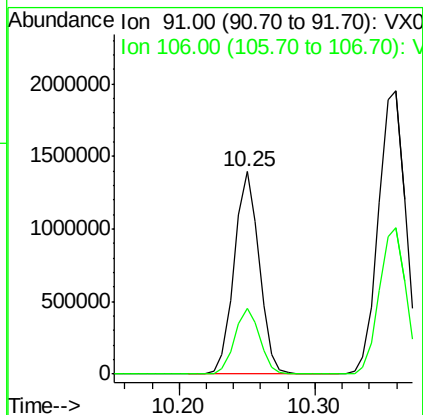
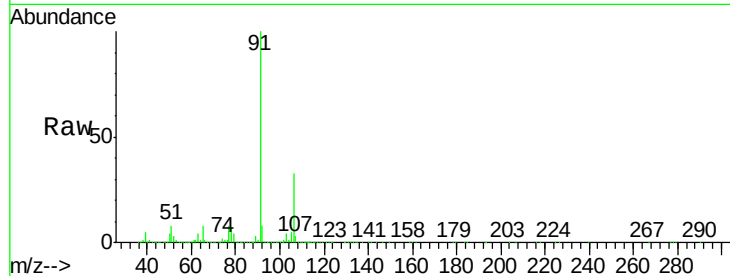
Ion Ratio Lower Upper

91 100

106 32.6 26.0 39.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 203.590 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VX011567.D

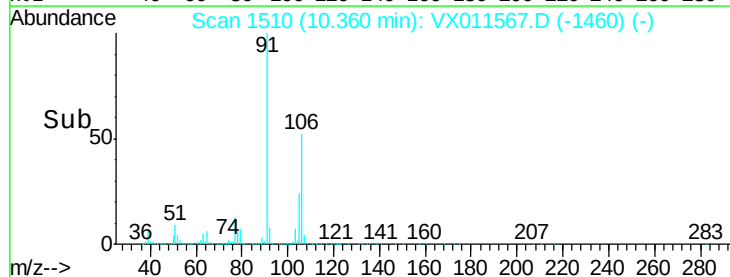
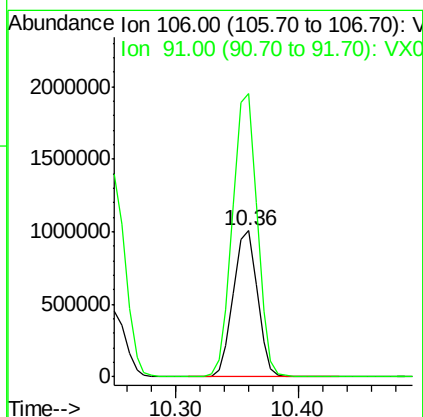
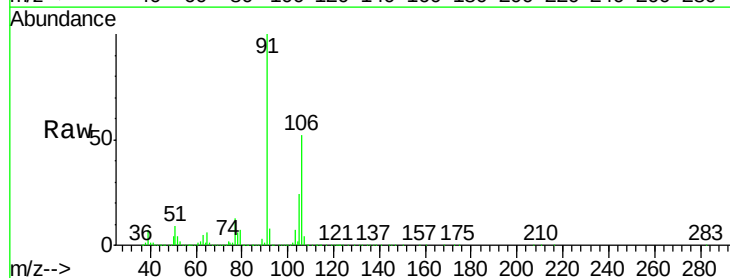
Acq: 15 Aug 2019 19:14

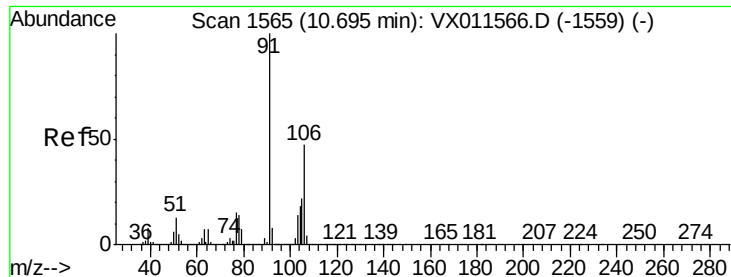
Tgt Ion: 106 Resp: 1378068

Ion Ratio Lower Upper

106 100

91 197.3 156.0 234.0





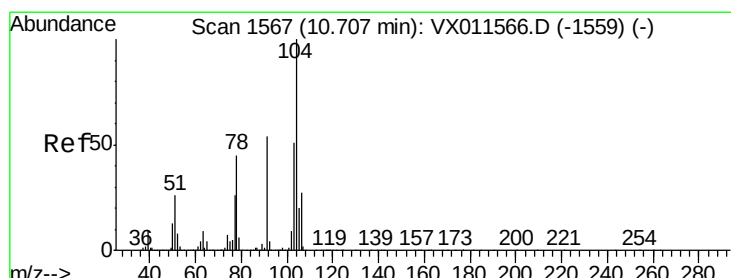
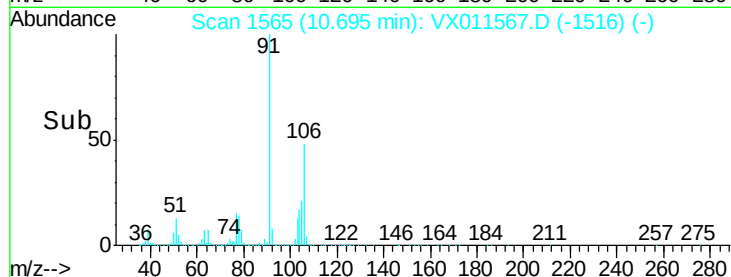
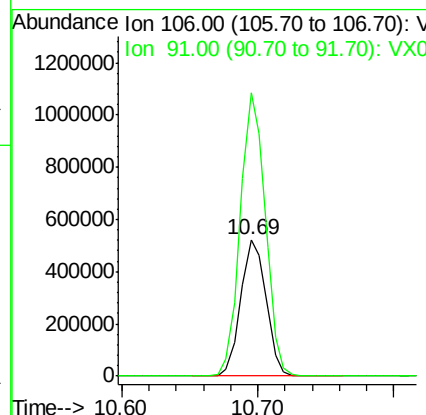
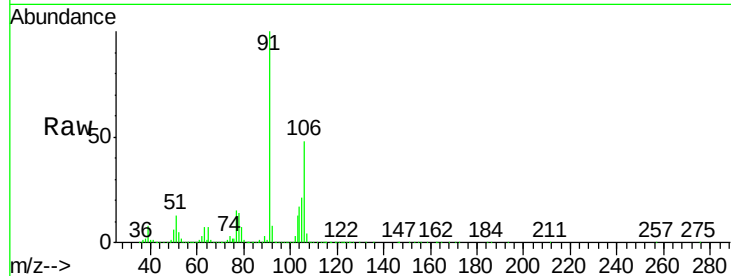
#69
o-Xylene
Concen: 103.043 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.6	105.5	316.4

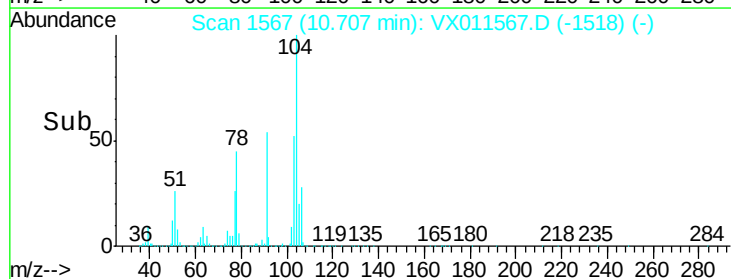
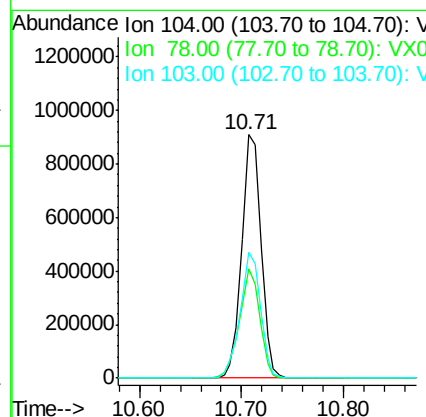
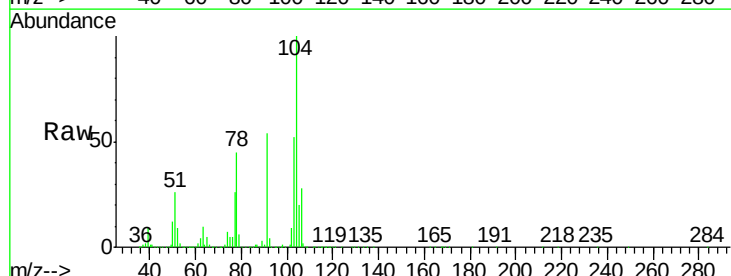
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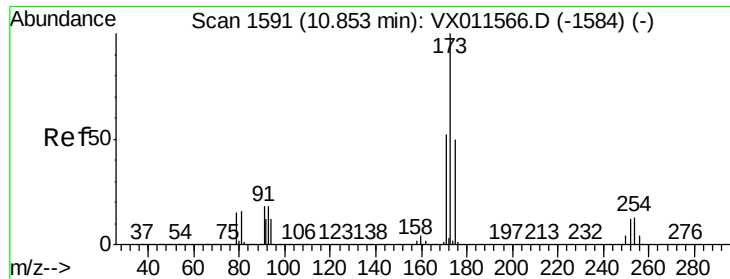
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#70
Styrene
Concen: 107.522 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.1	38.2	57.4
103	54.6	43.6	65.4





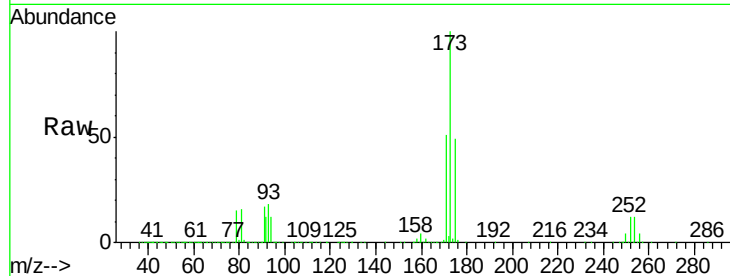
#71
Bromoform
Concen: 129.660 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

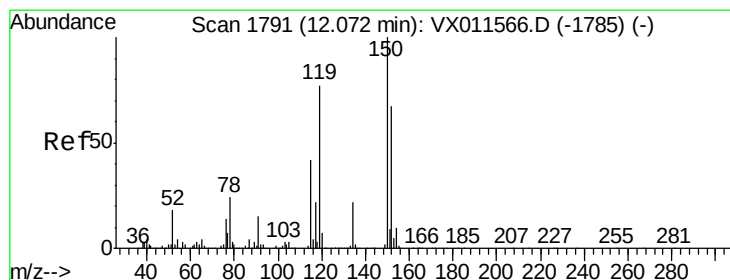
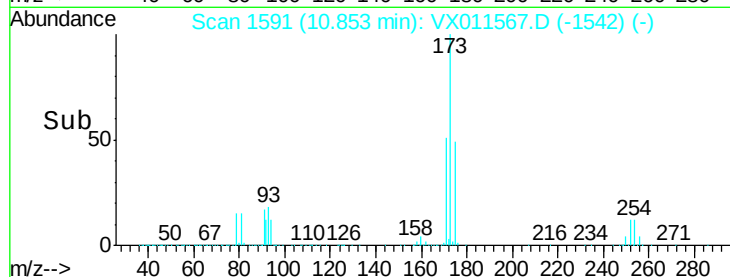
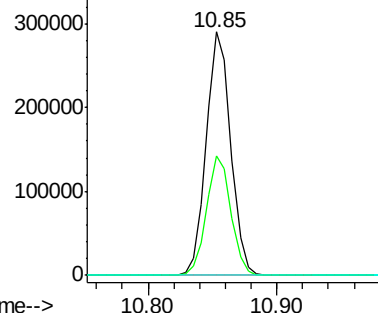
Tot Ion	Ratio	Resp	Lower	Upper
173	100			
175	48.9	24.9	74.7	
254	0.2	0.1	0.1	

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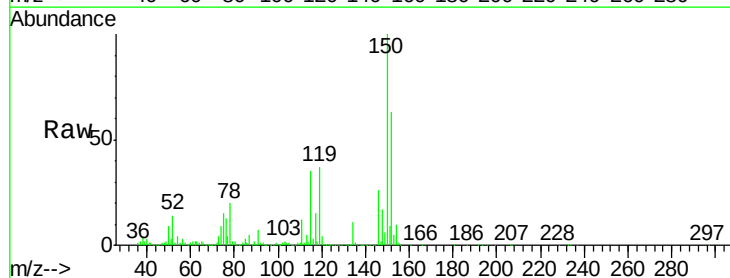


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

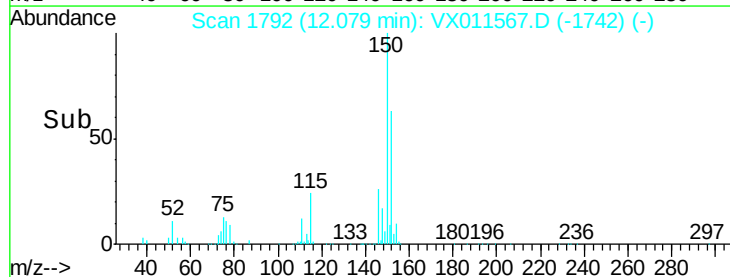
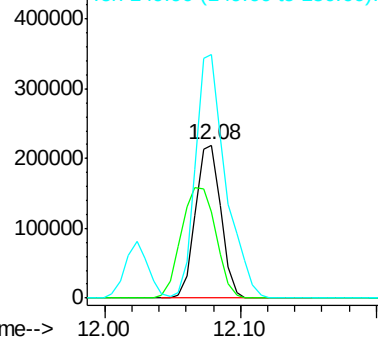


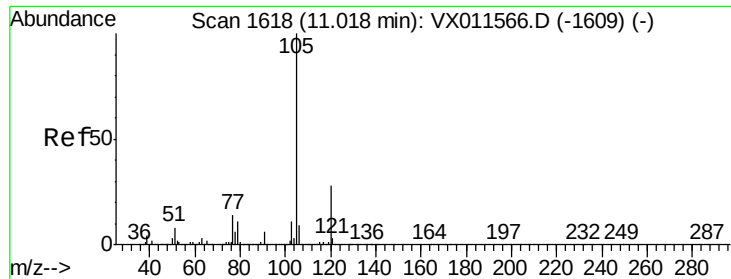
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
115	98.3	37.3	111.9	
150	190.1	0.0	346.2	



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 94.695 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1815597

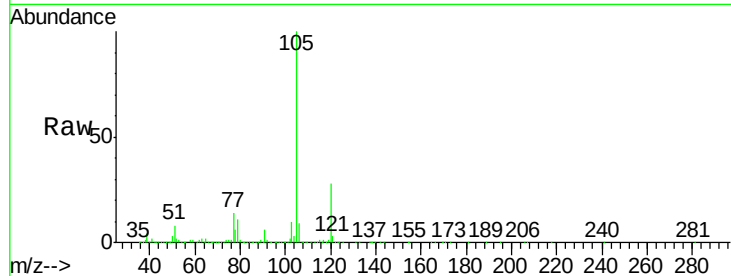
Ion Ratio Lower Upper

105 100

120 27.7 14.0 41.9

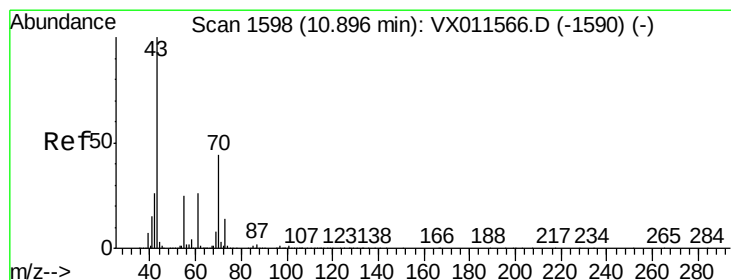
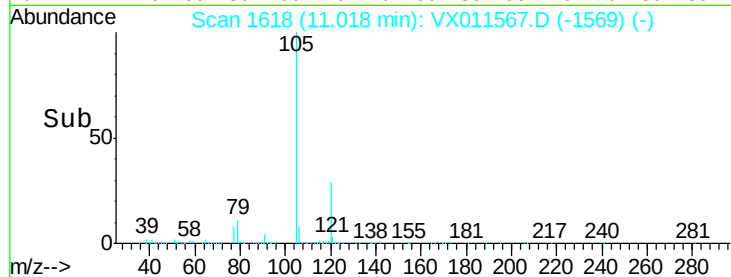
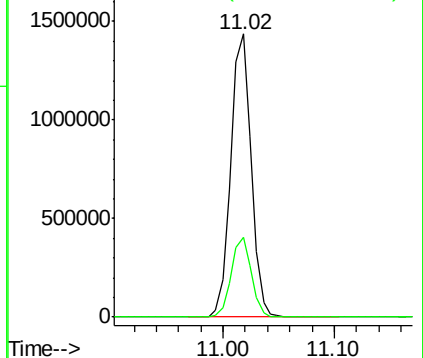
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 107.384 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Tgt Ion: 43 Resp: 793632

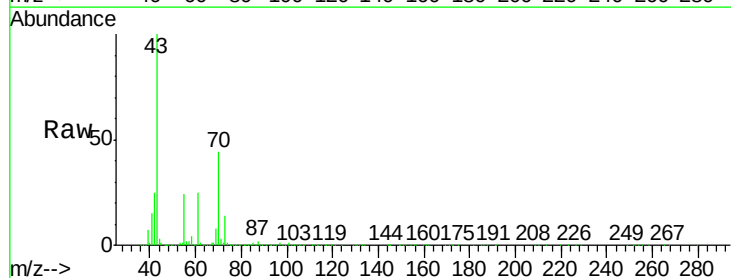
Ion Ratio Lower Upper

43 100

70 43.2 34.7 52.1

55 24.3 19.6 29.4

61 24.8 19.9 29.9

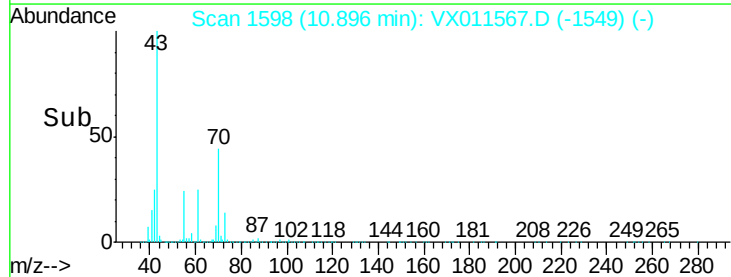
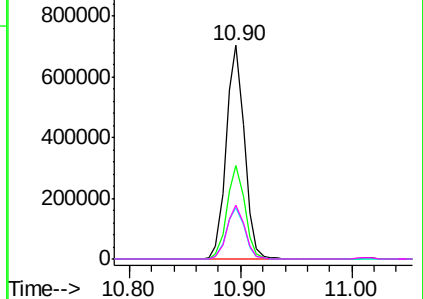


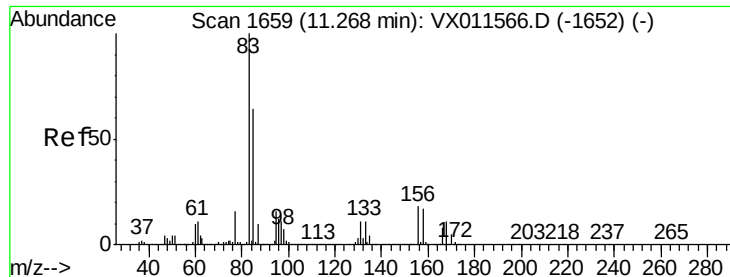
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 97.136 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Instrument :

MSVOA_X

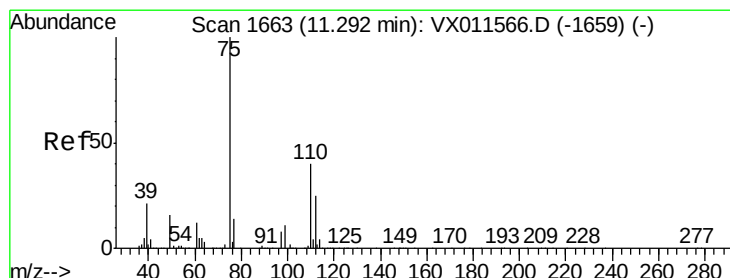
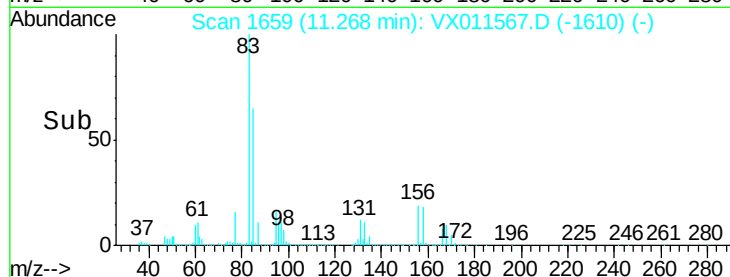
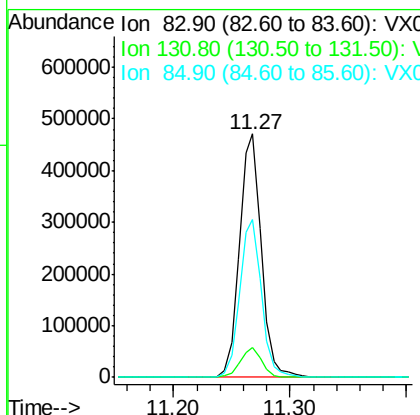
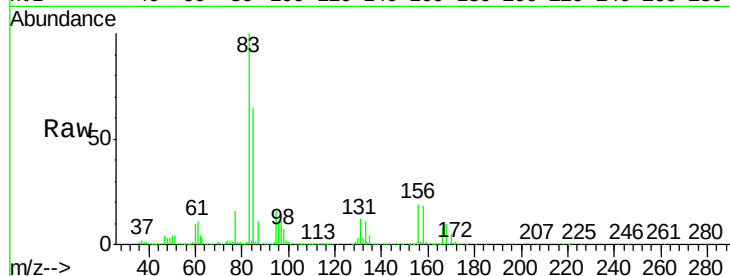
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	611561
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.8	17.3
85	65.1	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 100.707 ug/l m

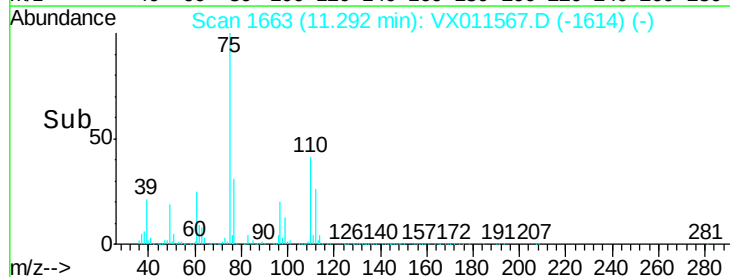
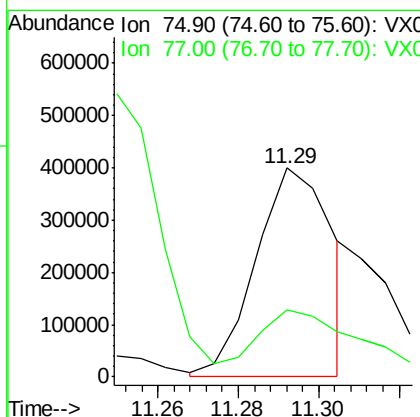
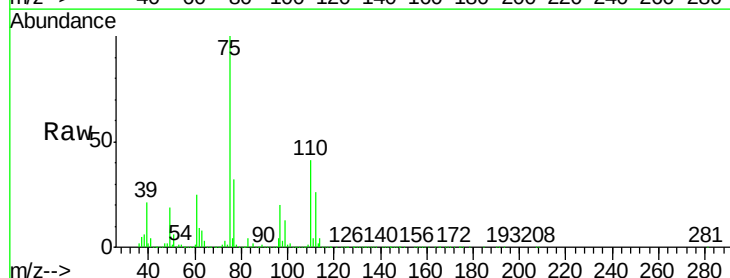
RT: 11.29 min Scan# 1663

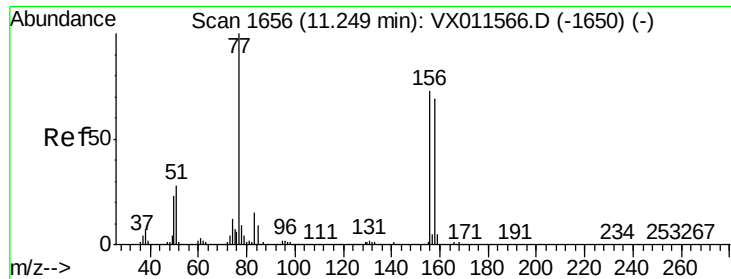
Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Tgt Ion:	75	Resp:	521927
Ion Ratio	Lower	Upper	
75	100		
77	43.8	20.9	62.8





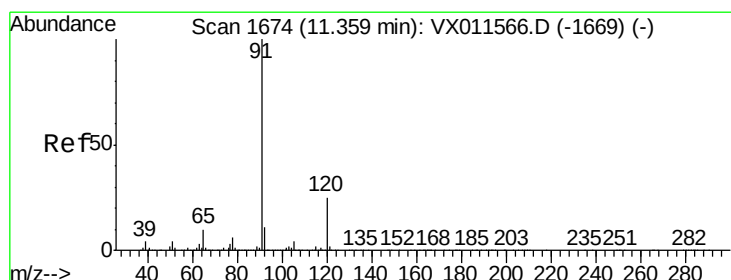
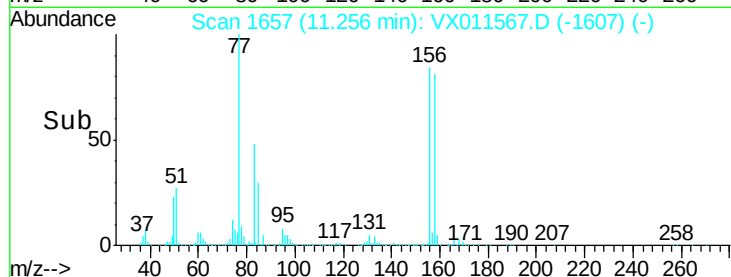
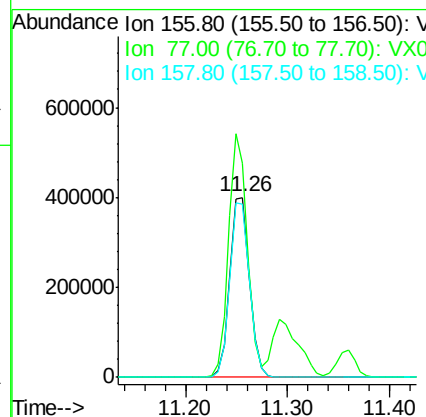
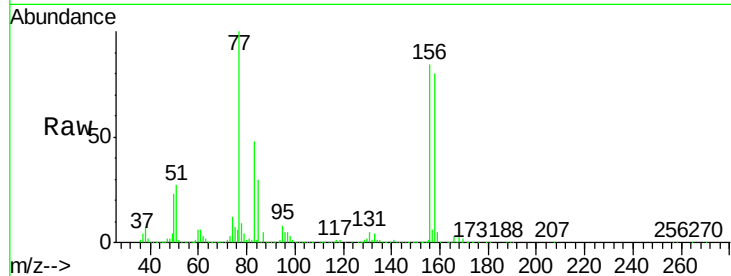
#77
Bromobenzene
Concen: 99.319 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.01 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
156	100	531583		
77	130.2	64.6	193.9	
158	97.6	48.4	145.3	

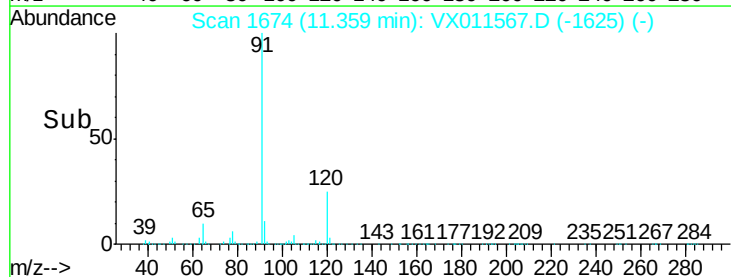
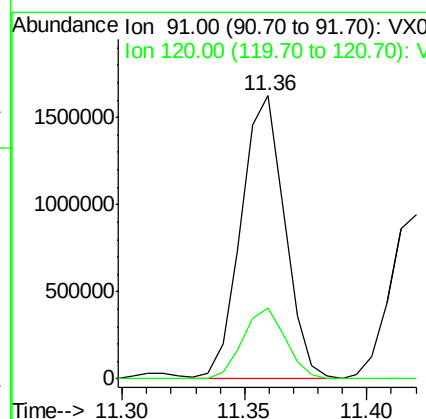
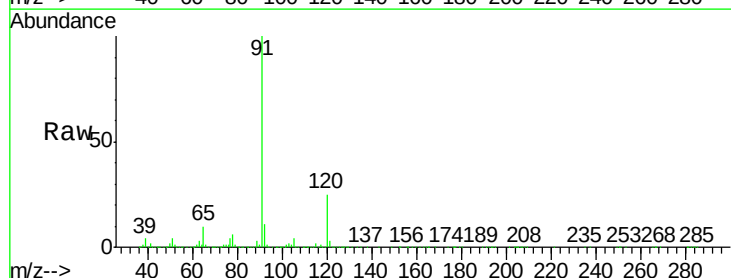
Manual Integrations
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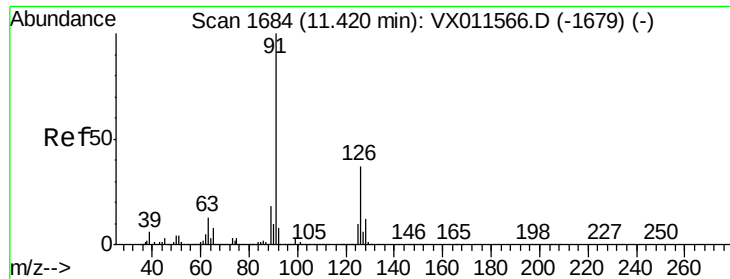
MMDadoda
8/16/2019 8:29:34 AM



#78
n-propylbenzene
Concen: 94.908 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2002397		
120	25.0	12.6	37.6	





#79

2-Chlorotoluene

Concen: 94.335 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1201305

Ion Ratio Lower Upper

91 100

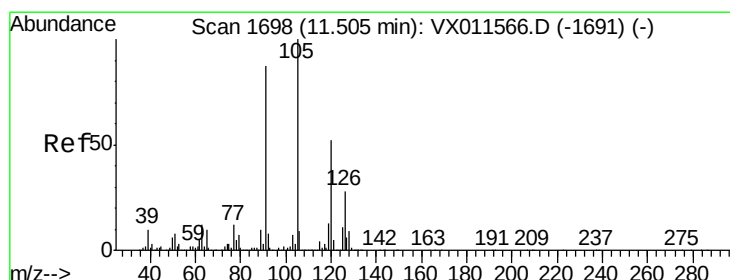
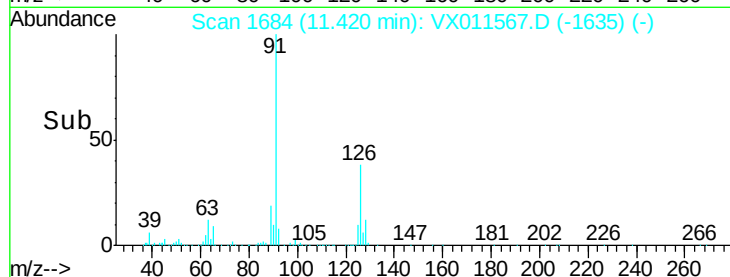
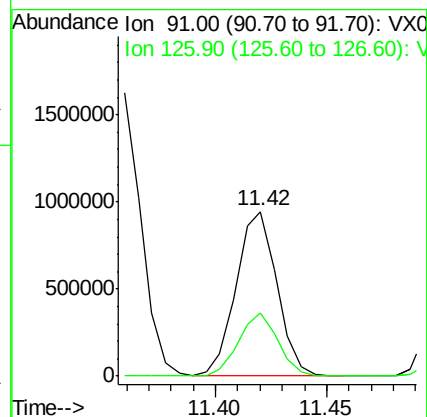
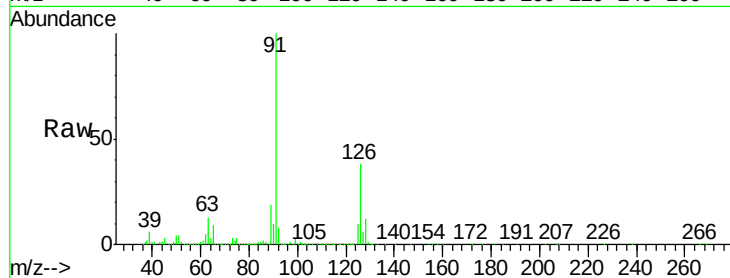
126 37.2 18.4 55.0

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#80

1,3,5-Trimethylbenzene

Concen: 96.844 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011567.D

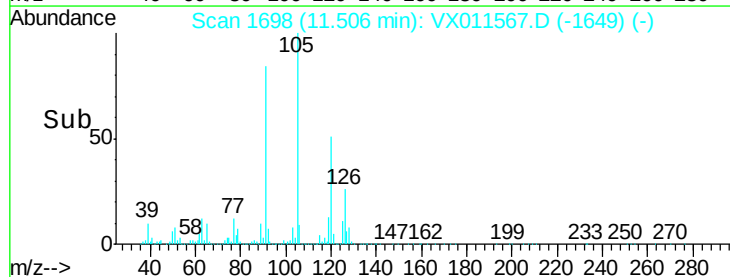
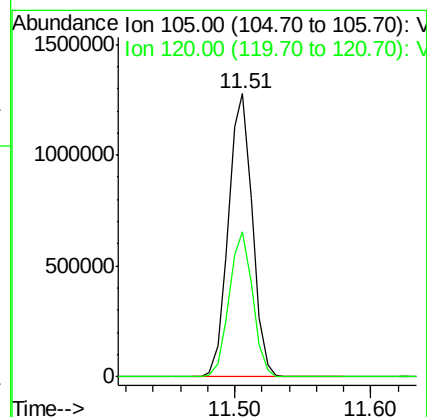
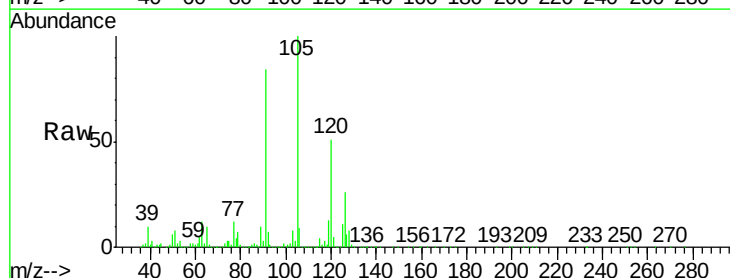
Acq: 15 Aug 2019 19:14

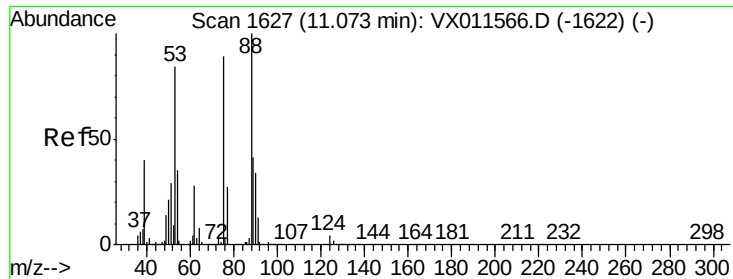
Tgt Ion:105 Resp: 1550113

Ion Ratio Lower Upper

105 100

120 50.4 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 108.966 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 202948

Ion Ratio Lower Upper

75 100

53 90.8 77.4 116.0

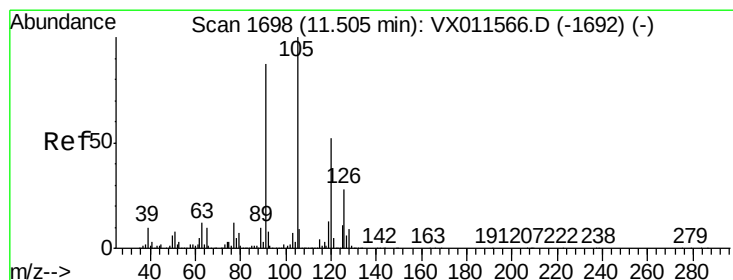
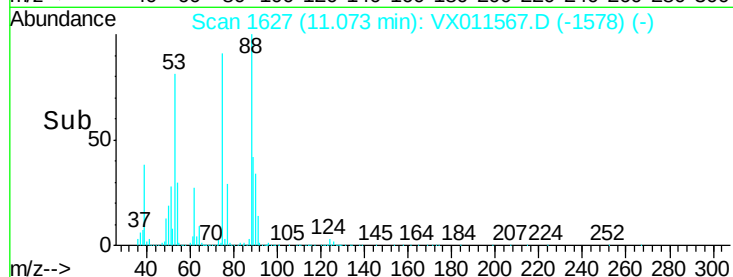
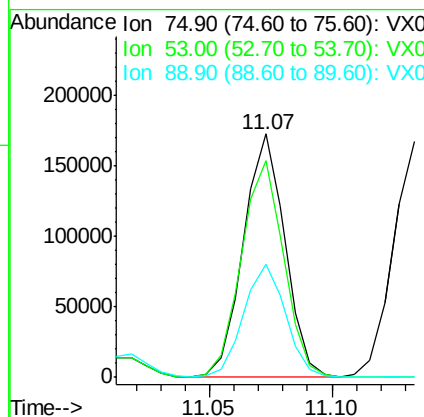
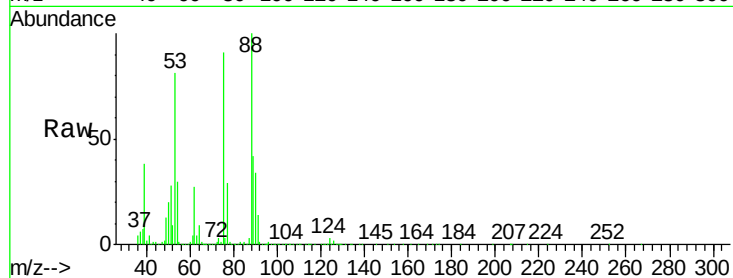
89 47.2 37.3 55.9

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#82

4-Chlorotoluene

Concen: 94.632 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011567.D

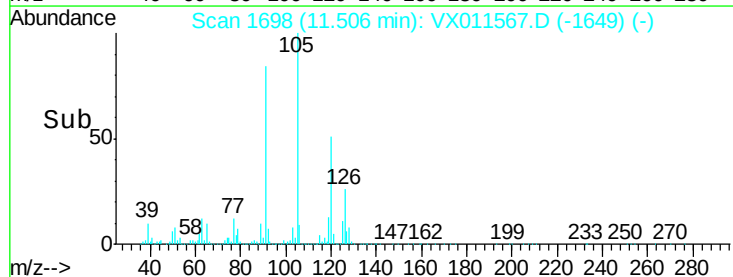
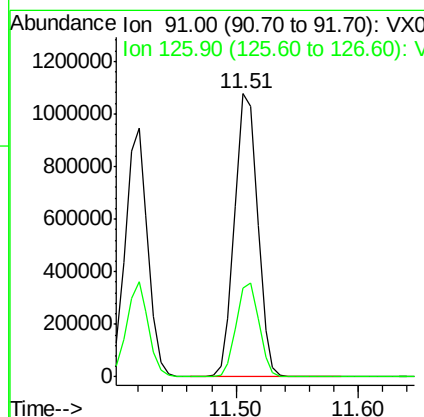
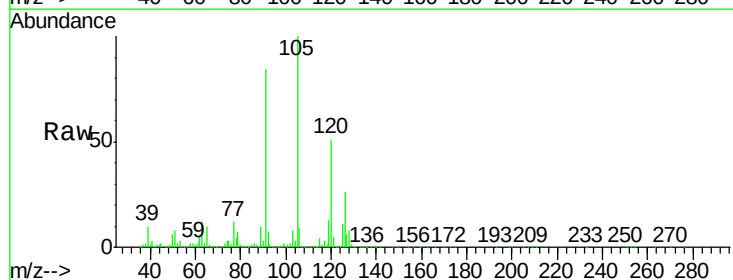
Acq: 15 Aug 2019 19:14

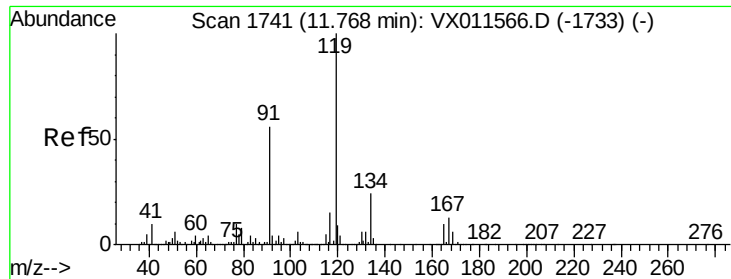
Tgt Ion: 91 Resp: 1399555

Ion Ratio Lower Upper

91 100

126 32.7 16.4 49.1





#83

tert-Butylbenzene

Concen: 99.646 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1577138

Ion Ratio Lower Upper

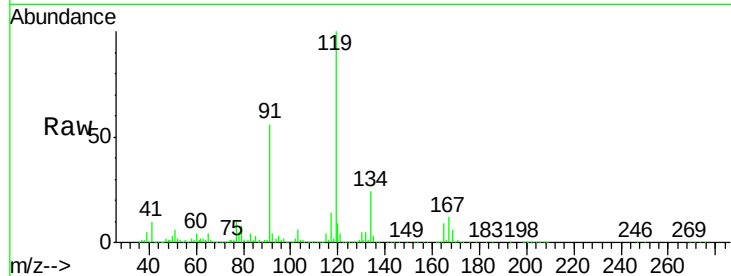
119 100

91 53.8 27.1 81.3

134 23.5 11.8 35.3

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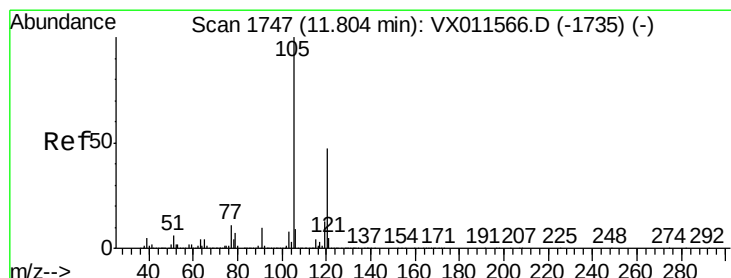
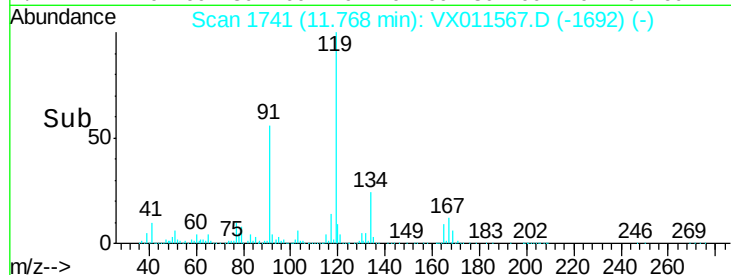
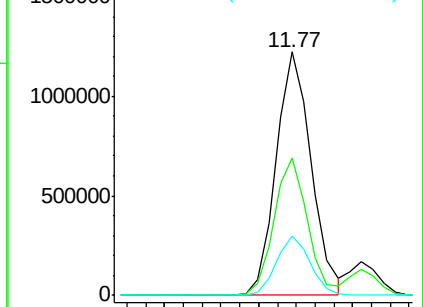
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 97.108 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011567.D

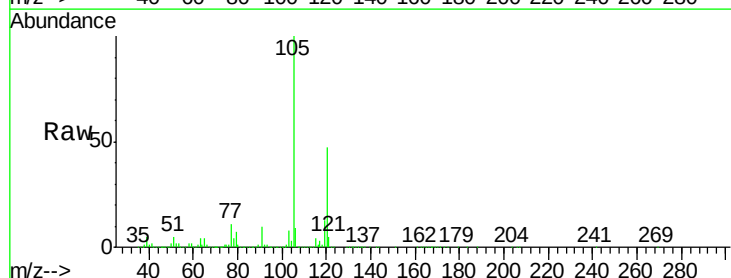
Acq: 15 Aug 2019 19:14

Tgt Ion:105 Resp: 1569184

Ion Ratio Lower Upper

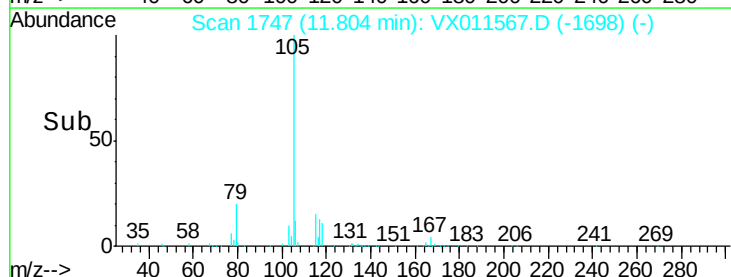
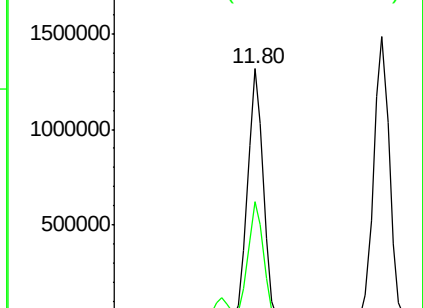
105 100

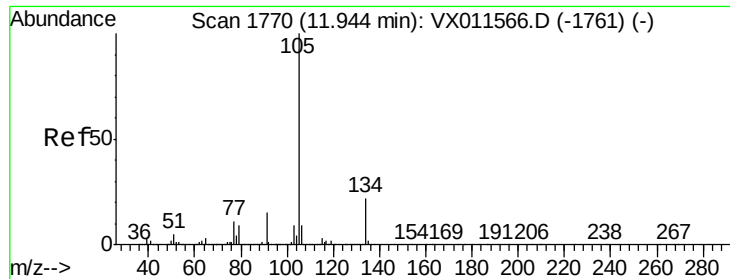
120 47.2 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 96.859 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1781937

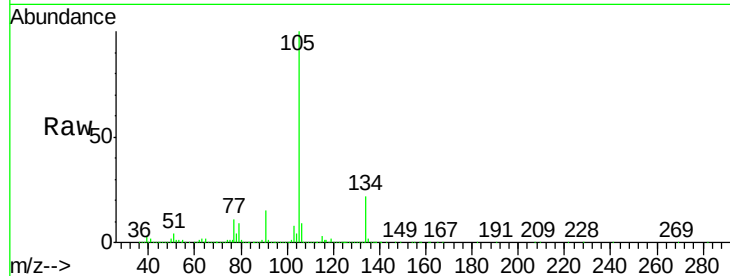
Ion Ratio Lower Upper

105 100

134 21.7 10.8 32.4

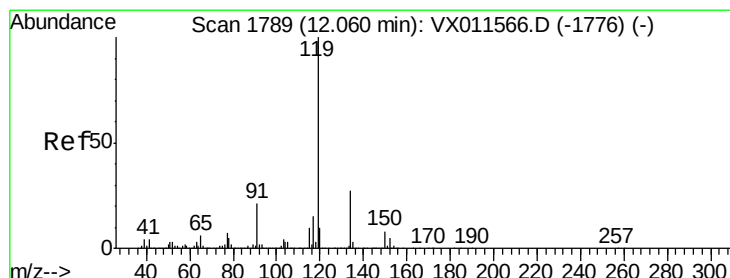
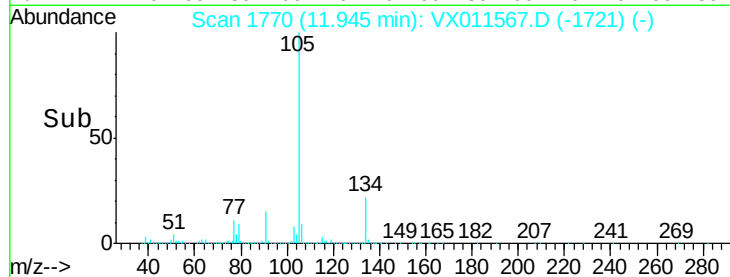
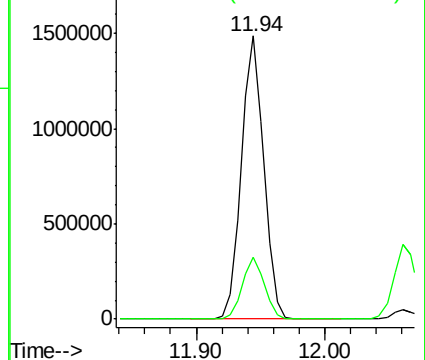
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 100.509 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

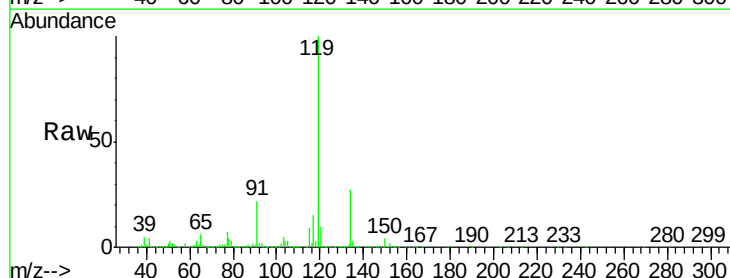
Tgt Ion:119 Resp: 1718893

Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.8

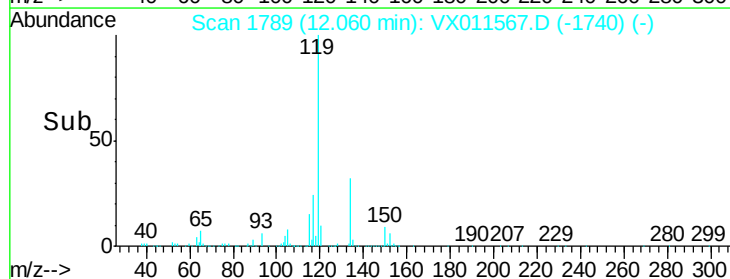
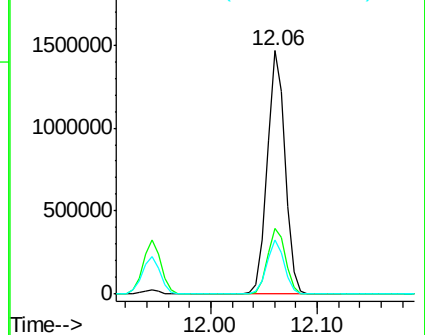
91 21.7 10.9 32.9

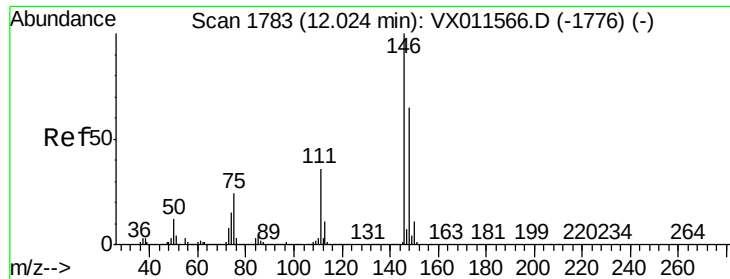


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





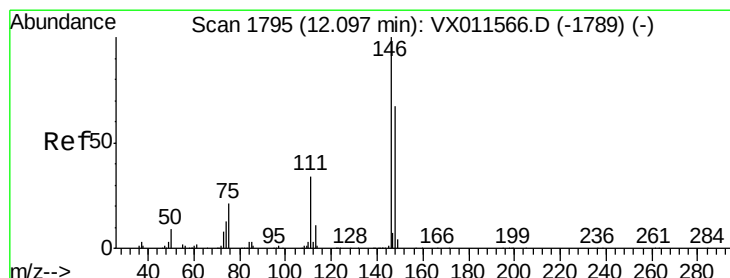
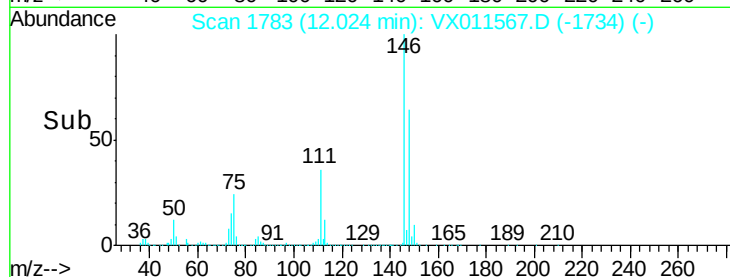
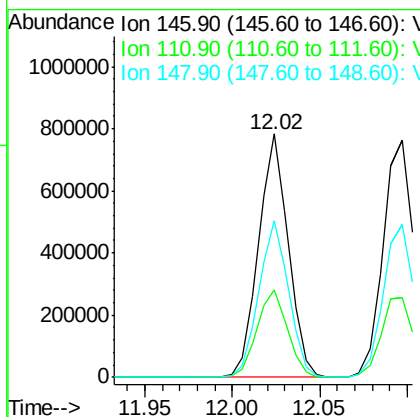
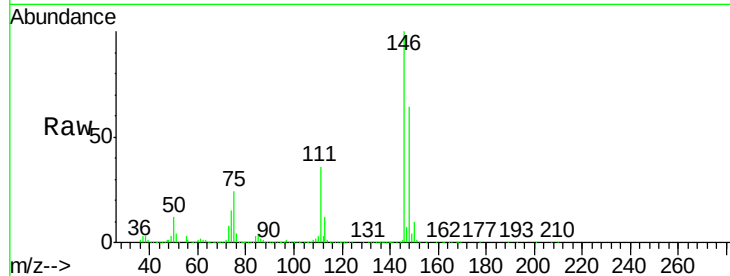
#87
 1,3-Dichlorobenzene
 Concen: 100.033 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011567.D
 Acq: 15 Aug 2019 19:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	925988		
111	36.8	18.1	54.4	
148	64.4	32.0	96.0	

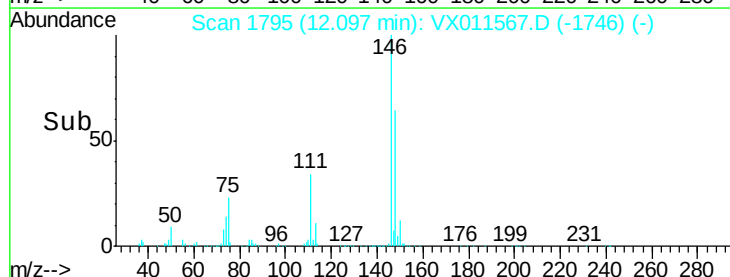
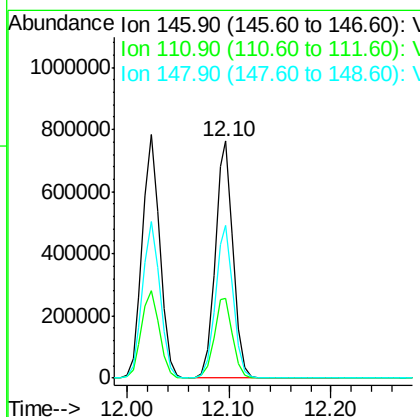
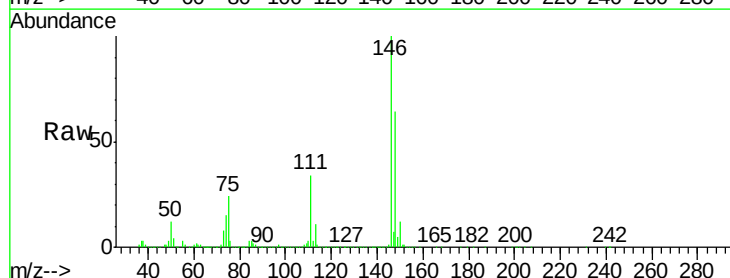
Manual Integrations
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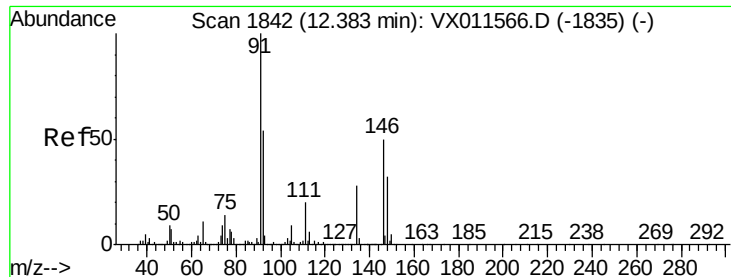
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 98.588 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011567.D
 Acq: 15 Aug 2019 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	933891		
111	35.2	17.9	53.7	
148	64.3	32.5	97.5	





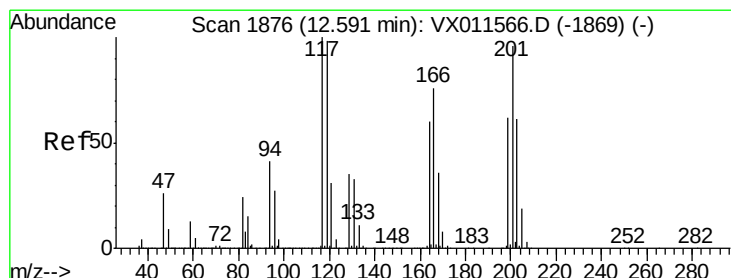
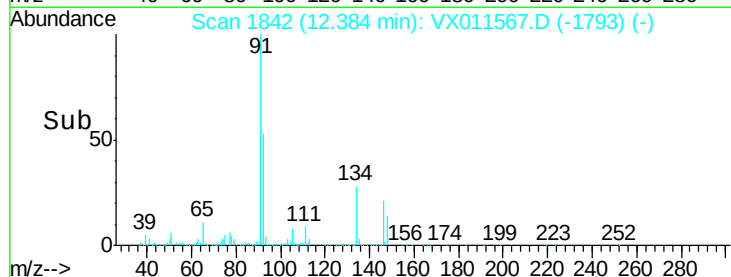
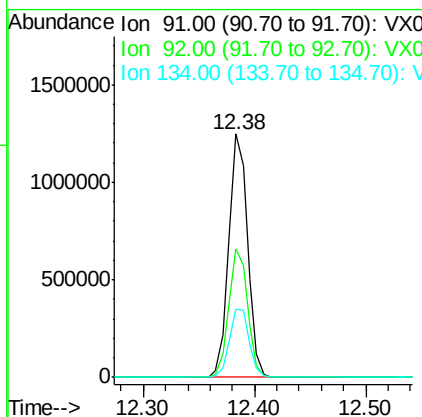
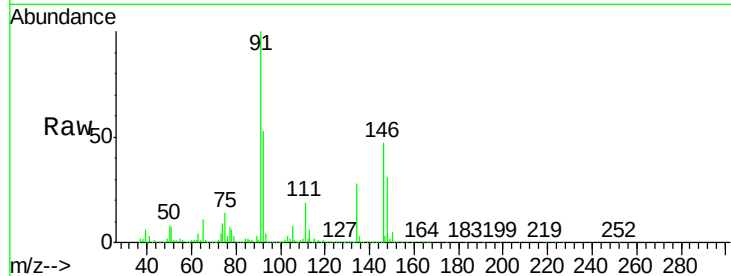
#89
n-Butylbenzene
Concen: 100.486 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.3
134	29.2	14.6	44.0

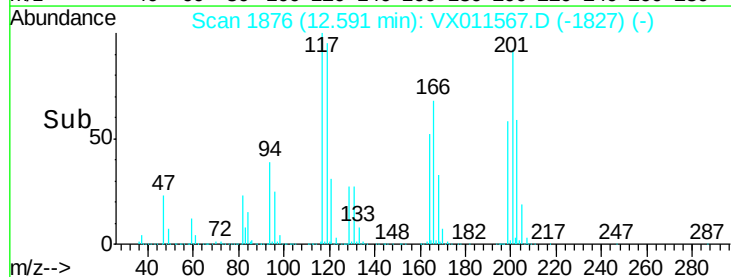
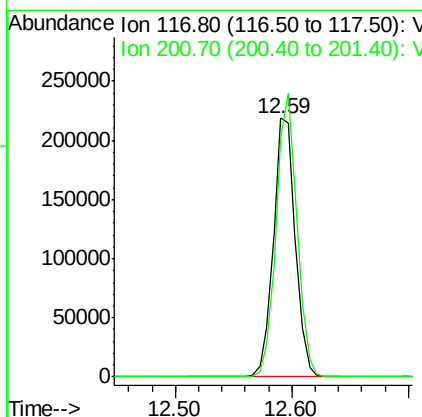
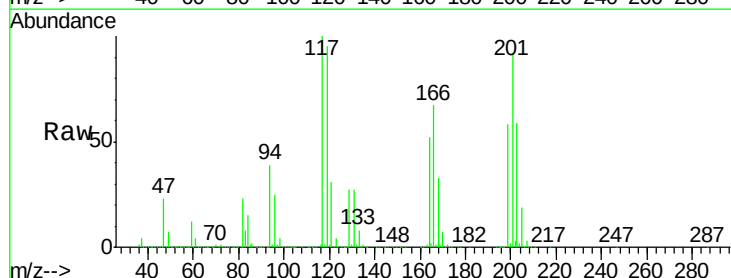
Manual Integrations
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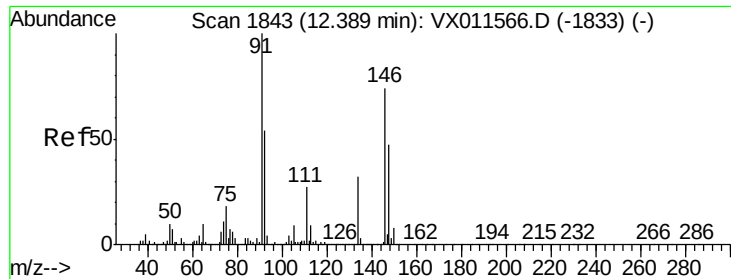
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#90
Hexachloroethane
Concen: 105.873 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	104.0	51.9	155.7





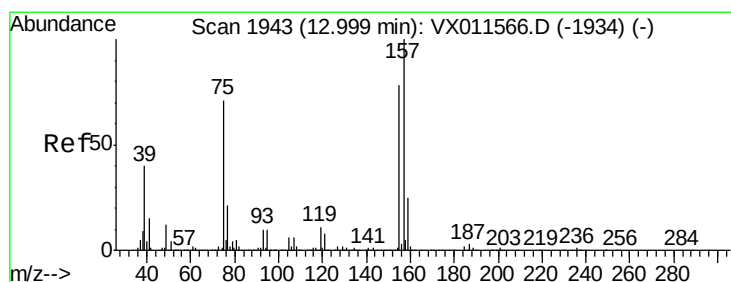
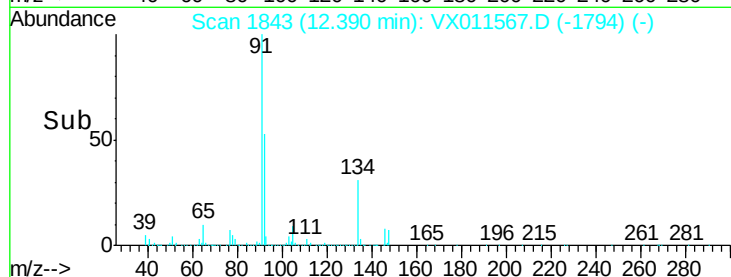
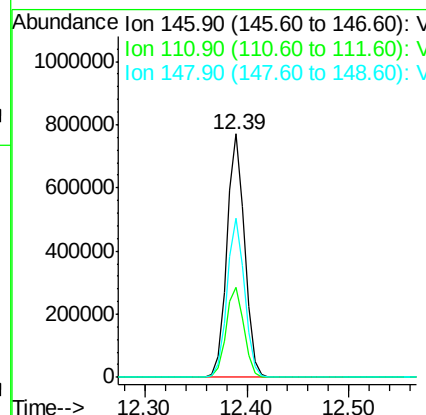
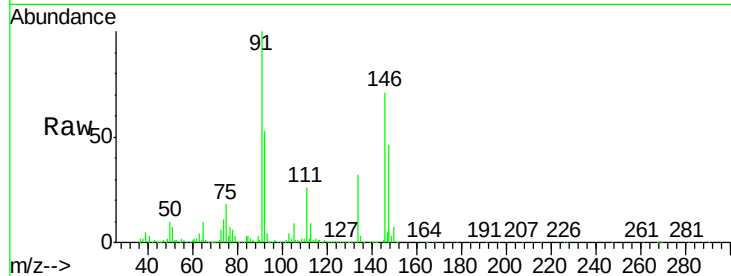
#91
 1,2-Dichlorobenzene
 Concen: 101.063 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011567.D
 Acq: 15 Aug 2019 19:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.7
148	64.9	31.9	95.9

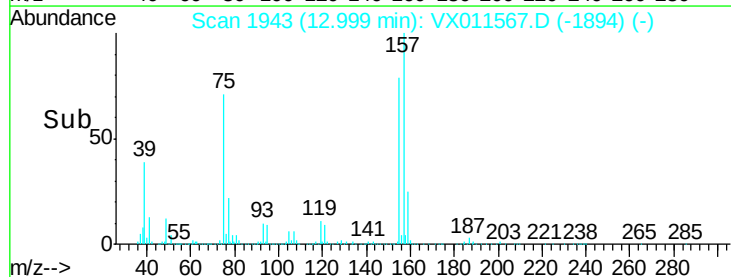
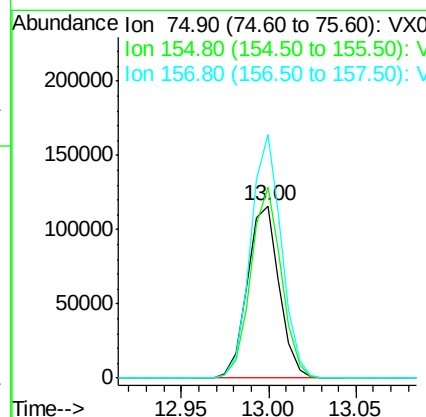
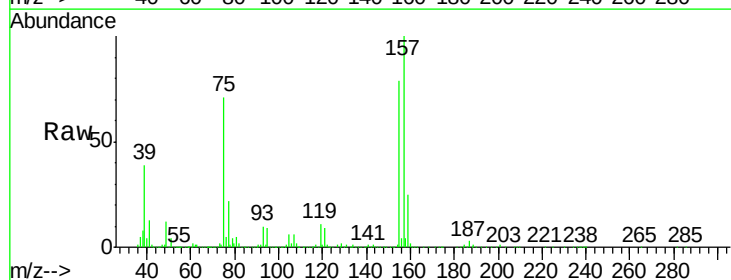
Manual Integrations
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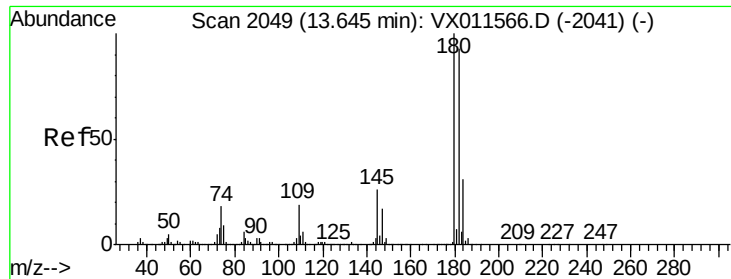
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 109.841 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011567.D
 Acq: 15 Aug 2019 19:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.7	53.0	159.0
157	137.4	68.3	205.1





#93

1,2,4-Trichlorobenzene

Concen: 116.545 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Instrument :

MSVOA_X

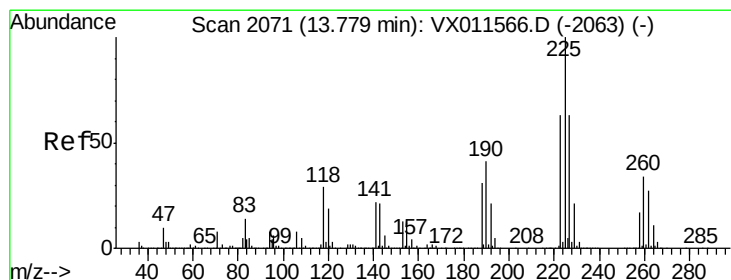
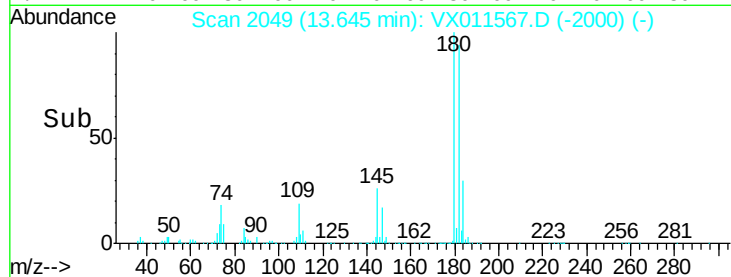
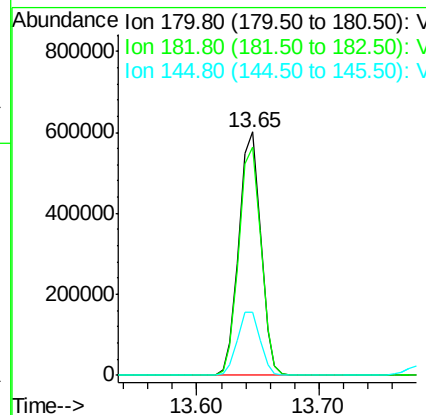
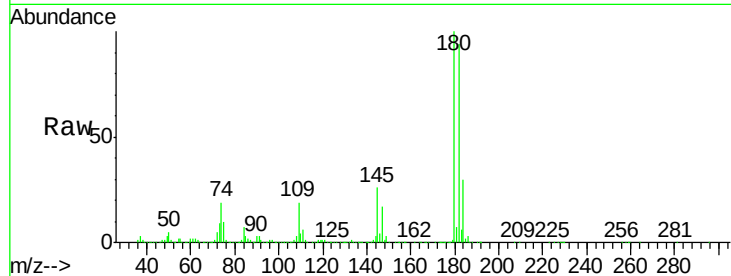
ClientSampleId :

VSTDIC100

Tot Ion:	180	Resp:	738522
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.3	142.0
145	27.3	13.6	40.8

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 121.646 ug/l

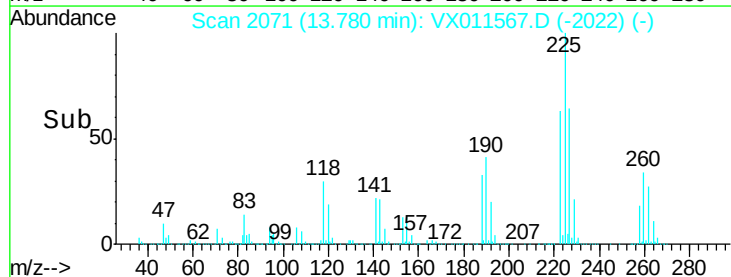
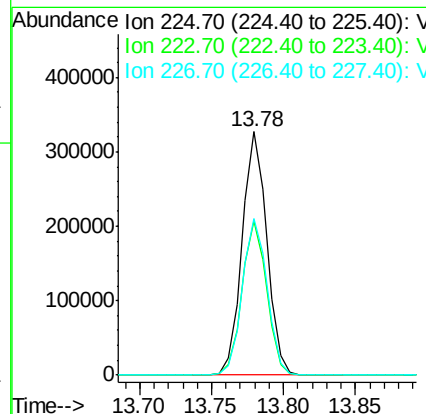
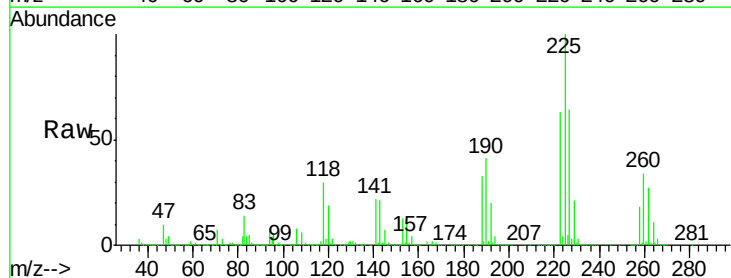
RT: 13.78 min Scan# 2071

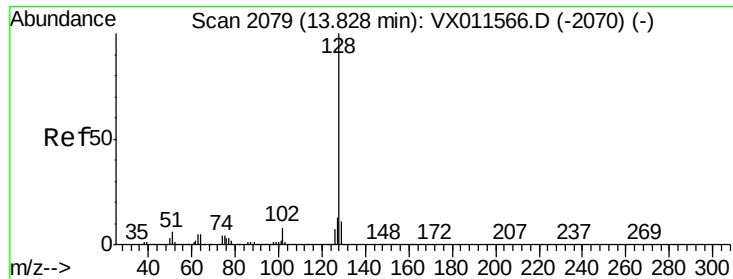
Delta R.T. 0.00 min

Lab File: VX011567.D

Acq: 15 Aug 2019 19:14

Tgt Ion:	225	Resp:	389720
Ion Ratio	Lower	Upper	
225	100		
223	63.1	31.4	94.0
227	64.6	31.2	93.6





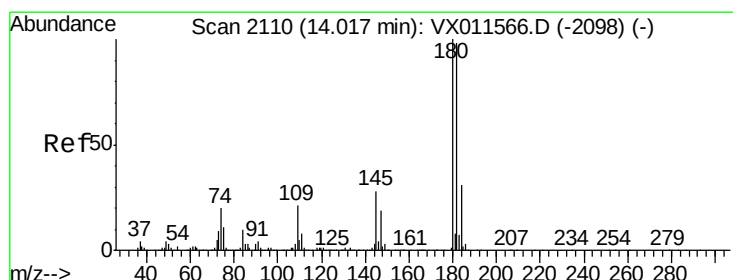
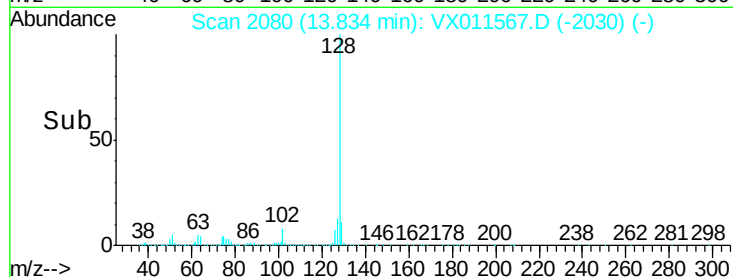
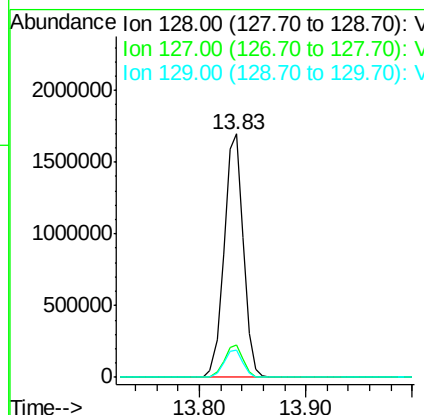
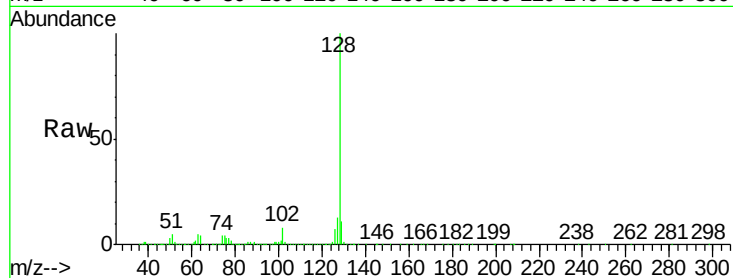
#95
Naphthalene
Concen: 114.391 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:29:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 116.097 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011567.D
Acq: 15 Aug 2019 19:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	48.0	144.0
145	29.5	14.6	43.8

