

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057806.D
 Acq On : 9 Sep 2019 17:16
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 5:16:16 AM

Quant Time: Sep 10 02:58:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 02:26:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	324383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	529029	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	488140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	264668	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	34350	4.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.04%	
35) Dibromofluoromethane	7.57	113	25590	5.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.64%	
50) Toluene-d8	10.09	98	89890	4.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.98%	
62) 4-Bromofluorobenzene	12.40	95	38493	5.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.56%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	21754	4.314	ug/l	99
3) Chloromethane	2.04	50	25673	2.945	ug/l	99
4) Vinyl Chloride	2.16	62	26971	6.001	ug/l	94
5) Bromomethane	2.53	94	20005m	9.107	ug/l	
6) Chloroethane	2.67	64	16224	6.043	ug/l	90
7) Trichlorofluoromethane	2.99	101	31993	4.603	ug/l	98
8) Diethyl Ether	3.38	74	13633	4.922	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	20574	4.722	ug/l	99
10) Methyl Iodide	3.93	142	22282	5.085	ug/l	99
11) Tert butyl alcohol	4.77	59	20313	22.792	ug/l	99
12) 1,1-Dichloroethene	3.72	96	18771	4.815	ug/l	93
13) Acrolein	3.59	56	18328	38.154	ug/l	94
14) Allyl chloride	4.30	41	34738	3.988	ug/l	98
15) Acrylonitrile	4.97	53	54331	23.868	ug/l	99
16) Acetone	3.80	43	48102	20.046	ug/l	99
17) Carbon Disulfide	4.03	76	38758	4.590	ug/l	100
18) Methyl Acetate	4.30	43	28090	4.324	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	70652	4.286	ug/l	98
20) Methylene Chloride	4.53	84	25383	4.956	ug/l	93
21) trans-1,2-Dichloroethene	5.02	96	21336	5.199	ug/l	92
22) Diisopropyl ether	5.93	45	78799	4.167	ug/l	93
23) Vinyl Acetate	5.88	43	290996	19.444	ug/l	99
24) 1,1-Dichloroethane	5.82	63	44298	4.548	ug/l	98
25) 2-Butanone	6.82	43	73779	21.536	ug/l	99
26) 2,2-Dichloropropane	6.81	77	33191	4.128	ug/l	77
27) cis-1,2-Dichloroethene	6.81	96	26609	5.075	ug/l	97
28) Bromochloromethane	7.18	49	21538	4.180	ug/l	99
29) Tetrahydrofuran	7.20	42	46402	21.165	ug/l	99
30) Chloroform	7.36	83	46107	4.537	ug/l	99
31) Cyclohexane	7.64	56	44503	5.286	ug/l #	89
32) 1,1,1-Trichloroethane	7.56	97	35606	4.248	ug/l	98
36) 1,1-Dichloropropene	7.78	75	32365	4.726	ug/l	98
37) Ethyl Acetate	6.92	43	30862	4.543	ug/l #	79
38) Carbon Tetrachloride	7.75	117	27583	4.244	ug/l	96

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 Data File : VN057806.D
 Acq On : 9 Sep 2019 17:16
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Sep 10 02:58:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 02:26:55 2019
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.07	83	36072	5.012	ug/l	98
40) Benzene	8.03	78	97743	4.993	ug/l	96
41) Methacrylonitrile	7.17	41	16198m	4.868	ug/l	
42) 1,2-Dichloroethane	8.11	62	37929	4.226	ug/l	100
43) Isopropyl Acetate	8.16	43	50030	3.857	ug/l #	89
44) Trichloroethene	8.83	130	24014	5.425	ug/l	96
45) 1,2-Dichloropropane	9.11	63	27341	4.974	ug/l	96
46) Dibromomethane	9.20	93	16586	4.748	ug/l	99
47) Bromodichloromethane	9.40	83	29376	3.960	ug/l	96
48) Methyl methacrylate	9.19	41	24701	3.705	ug/l	98
49) 1,4-Dioxane	9.20	88	9521	117.245	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	157893	21.635	ug/l	99
52) Toluene	10.15	92	59543	4.982	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	29100	3.888	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	34312	4.229	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	24646	5.054	ug/l	99
56) Ethyl methacrylate	10.43	69	33958	4.399	ug/l	97
57) 1,3-Dichloropropane	10.71	76	41814	4.797	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	88298	22.518	ug/l	97
59) 2-Hexanone	10.75	43	110944	21.375	ug/l	99
60) Dibromochloromethane	10.90	129	18267	3.888	ug/l	97
61) 1,2-Dibromoethane	11.00	107	22139	4.766	ug/l	99
64) Tetrachloroethene	10.63	164	19397	5.167	ug/l	93
65) Chlorobenzene	11.43	112	63650	4.985	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	19939	4.487	ug/l	98
67) Ethyl Benzene	11.51	91	116578	4.813	ug/l	99
68) m/p-Xylenes	11.62	106	81891	9.720	ug/l	98
69) o-Xylene	11.95	106	40399	4.821	ug/l	96
70) Styrene	11.97	104	67619	4.650	ug/l	99
71) Bromoform	12.13	173	10854	3.793	ug/l #	97
73) Isopropylbenzene	12.25	105	111029	4.840	ug/l	100
74) N-amyl acetate	12.07	43	42213m	3.753	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.51	83	34825	4.979	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	31437m	5.210	ug/l	
77) Bromobenzene	12.53	156	26616	5.282	ug/l	93
78) n-propylbenzene	12.59	91	126171	4.654	ug/l	100
79) 2-Chlorotoluene	12.68	91	76875	4.648	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	90029	4.612	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	6273	3.252	ug/l #	72
82) 4-Chlorotoluene	12.78	91	78926	4.622	ug/l	98
83) tert-Butylbenzene	13.00	119	80108	4.826	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	88115	4.552	ug/l	100
85) sec-Butylbenzene	13.17	105	105893	4.652	ug/l	98
86) p-Isopropyltoluene	13.29	119	92873	4.781	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	47485	4.992	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	47282	4.970	ug/l	93
89) n-Butylbenzene	13.62	91	85766	4.504	ug/l	99
90) Hexachloroethane	13.88	117	11216	3.739	ug/l	94
91) 1,2-Dichlorobenzene	13.66	146	47008	5.026	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5040	3.761	ug/l	93

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

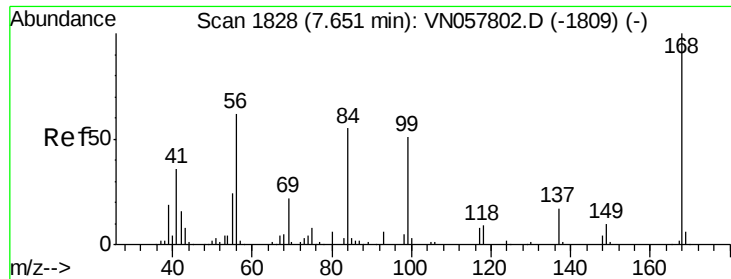
Manual Integrations
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9/13/2019 5:16:16 AM

Quant Time: Sep 10 02:58:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 02:26:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	30706	5.497	ug/l	99
94) Hexachlorobutadiene	15.01	225	13444	5.023	ug/l	97
95) Naphthalene	15.13	128	89347	5.507	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	29396	5.506	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 324383

Ion Ratio Lower Upper

168 100

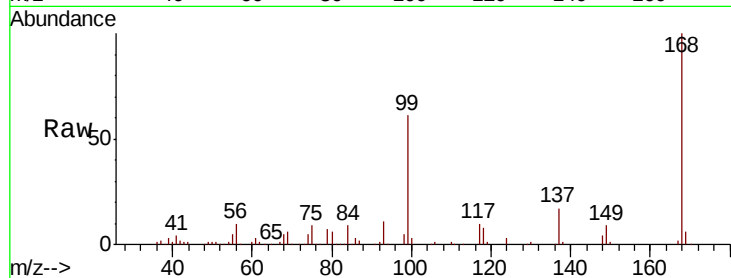
99 60.4 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN057802.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057802.D (-1809) (-)

7.65

150000

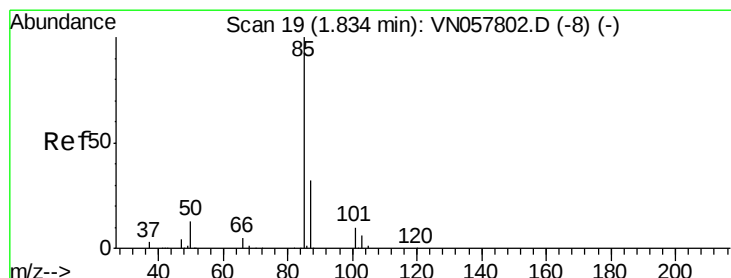
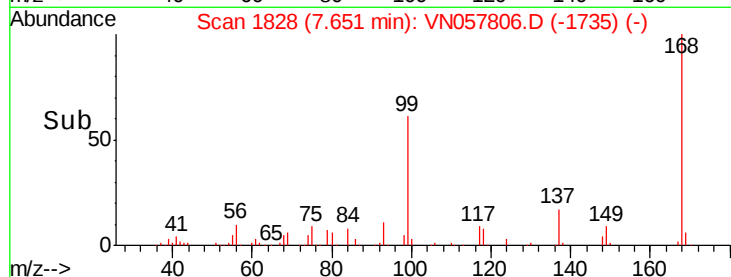
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 4.314 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057806.D

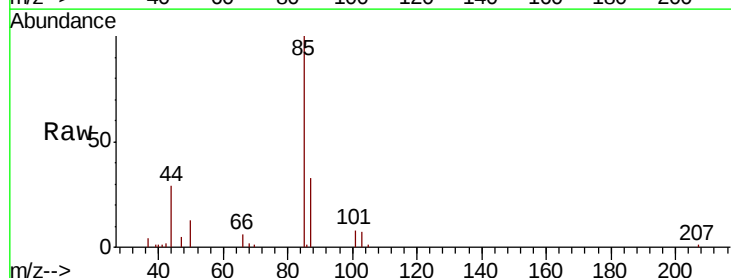
Acq: 9 Sep 2019 17:16

Tgt Ion: 85 Resp: 21754

Ion Ratio Lower Upper

85 100

87 32.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN057802.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN057802.D (-8) (-)

1.83

15000

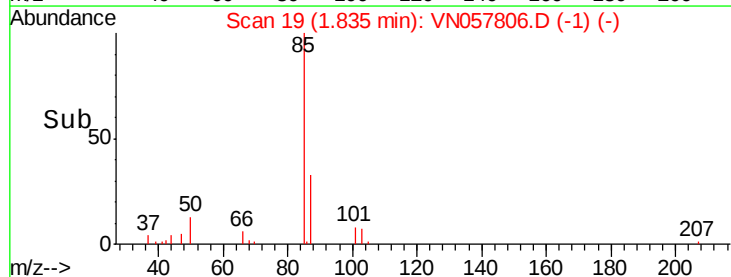
10000

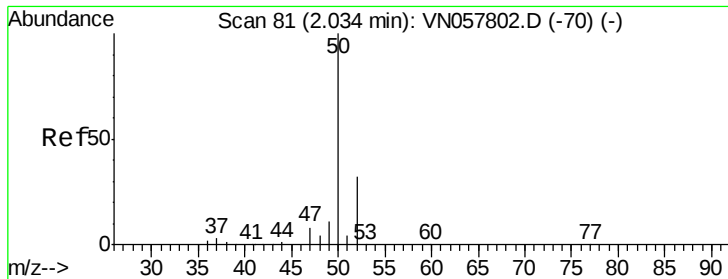
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 2.945 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 50 Resp: 25673

Ion Ratio Lower Upper

50 100

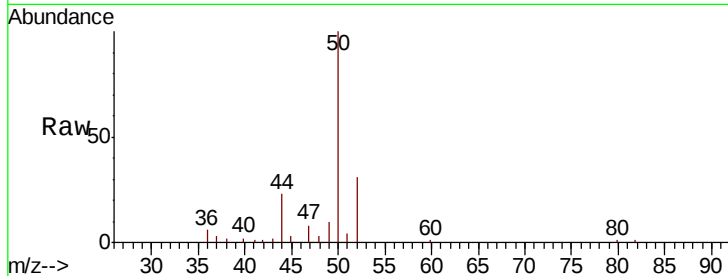
52 31.3 25.5 38.3

Manual Integrations

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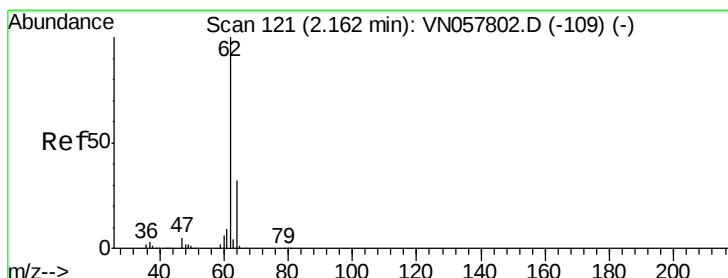
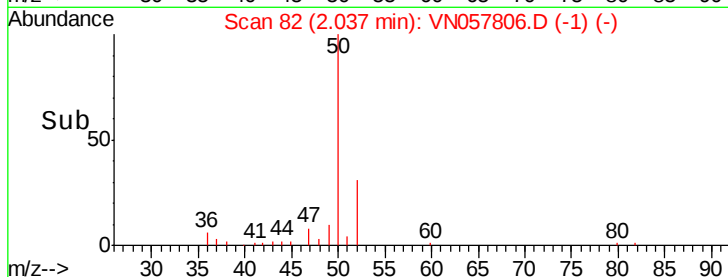
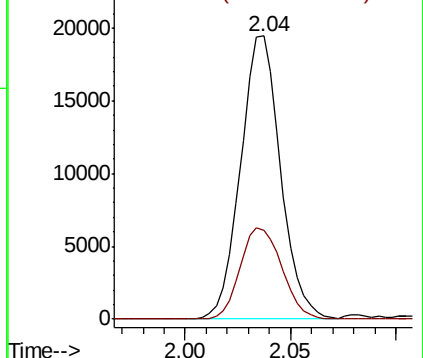
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 6.001 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057806.D

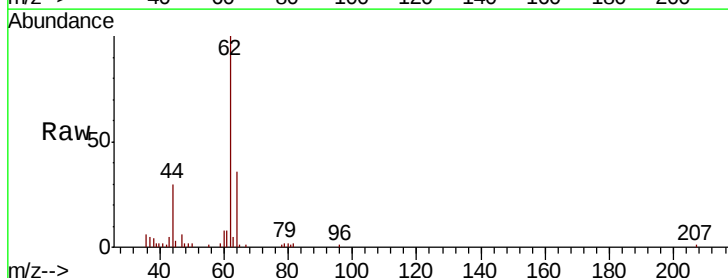
Acq: 9 Sep 2019 17:16

Tgt Ion: 62 Resp: 26971

Ion Ratio Lower Upper

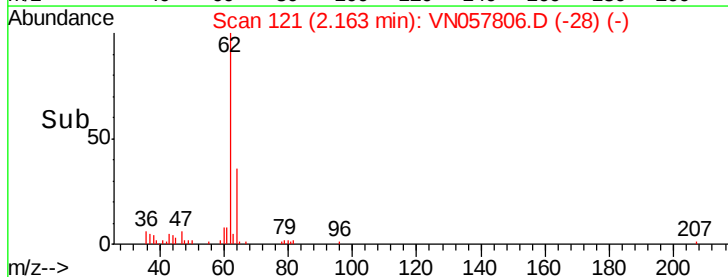
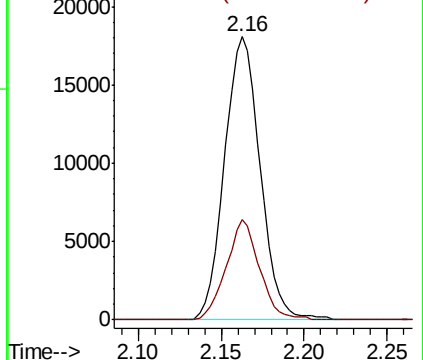
62 100

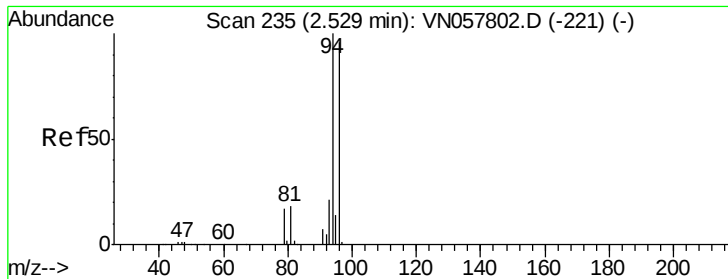
64 35.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 9.107 ug/l m

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 20005

Ion Ratio Lower Upper

94 100

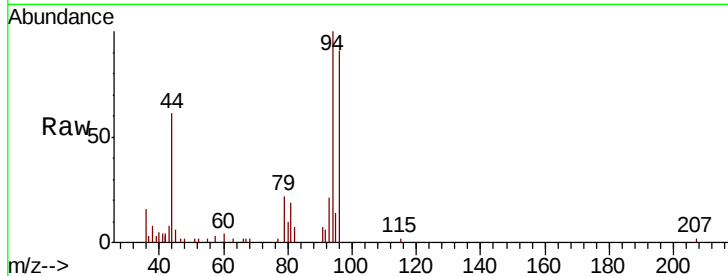
96 90.8 77.0 115.4

Manual Integrations

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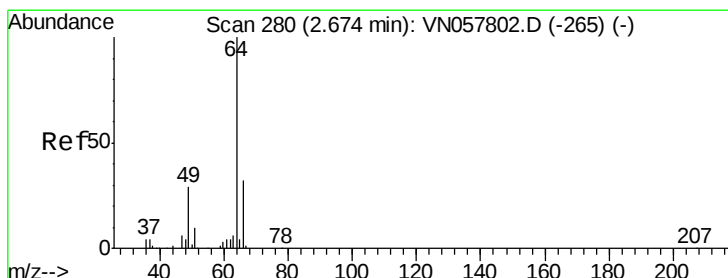
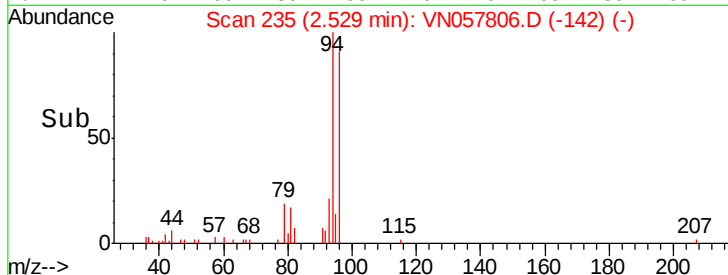
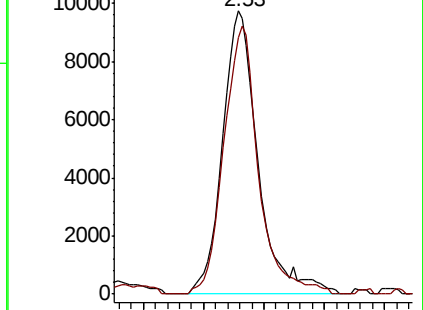
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Abundance Ion 93.90 (93.60 to 94.60): VN057806.D (-142) (-)

Ion 95.90 (95.60 to 96.60): VN057806.D (-142) (-)



#6

Chloroethane

Concen: 6.043 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN057806.D

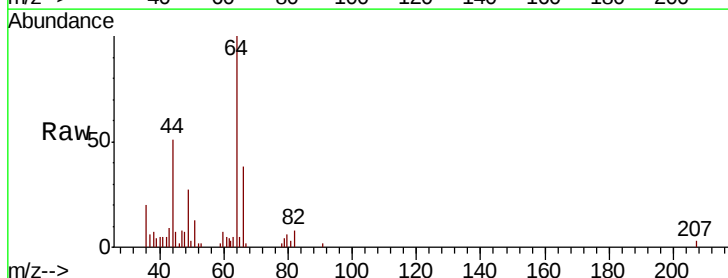
Acq: 9 Sep 2019 17:16

Tgt Ion: 64 Resp: 16224

Ion Ratio Lower Upper

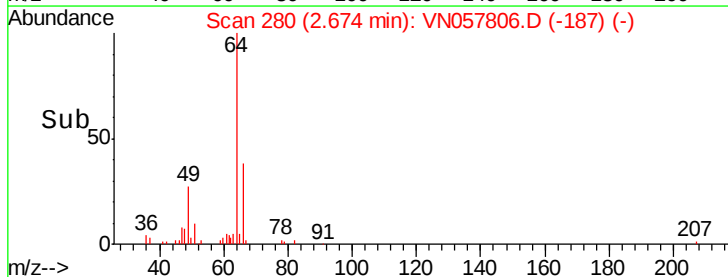
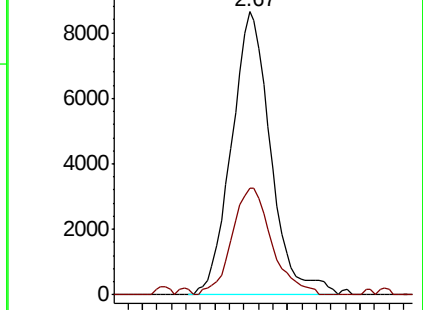
64 100

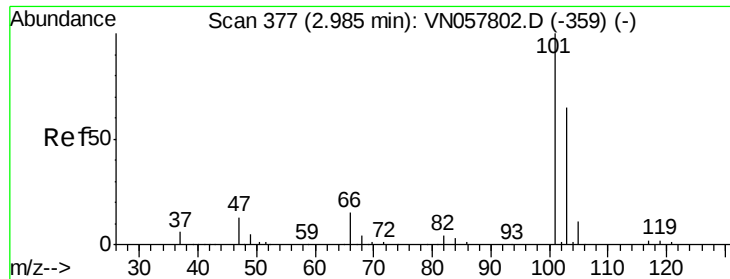
66 37.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN057806.D (-187) (-)

Ion 65.90 (65.60 to 66.60): VN057806.D (-187) (-)





#7

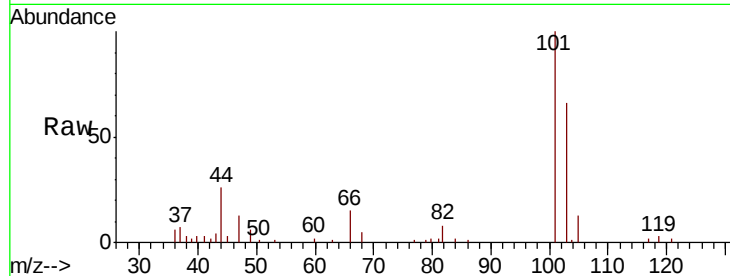
Trichlorofluoromethane
Concen: 4.603 ug/l
RT: 2.99 min Scan# 377
Delta R.T. 0.00 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

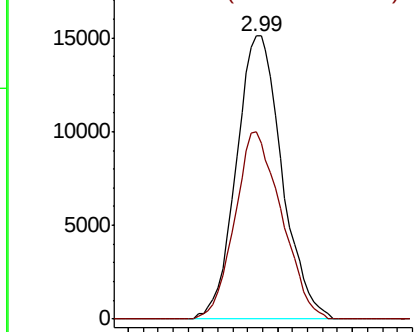
Tot Ion:101 Resp: 31993
Ion Ratio Lower Upper
101 100
103 66.4 51.9 77.9

Manual Integrations
APPROVED

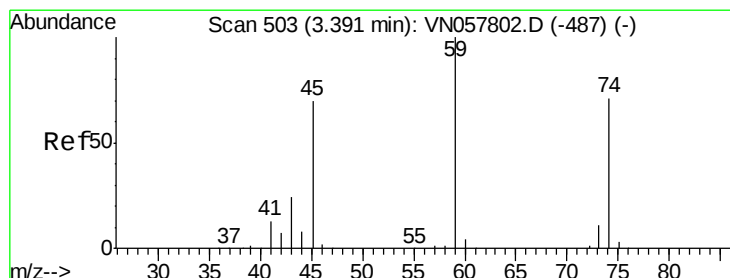
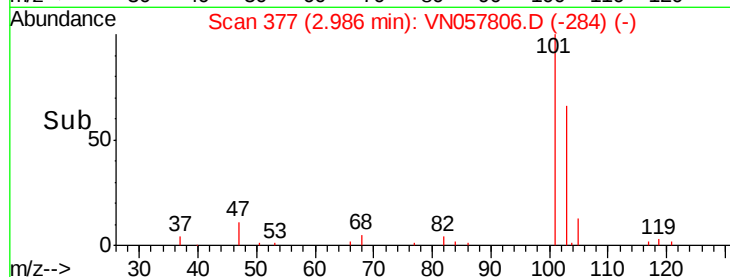
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



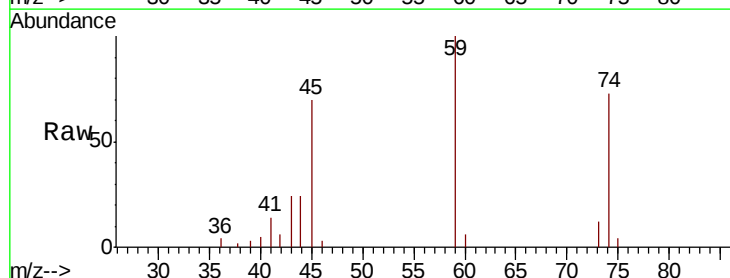
Time--> 2.90 2.95 3.00 3.05



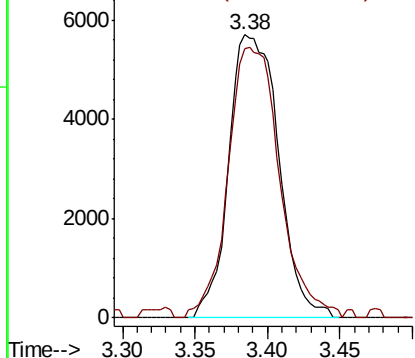
#8

Diethyl Ether
Concen: 4.922 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.01 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

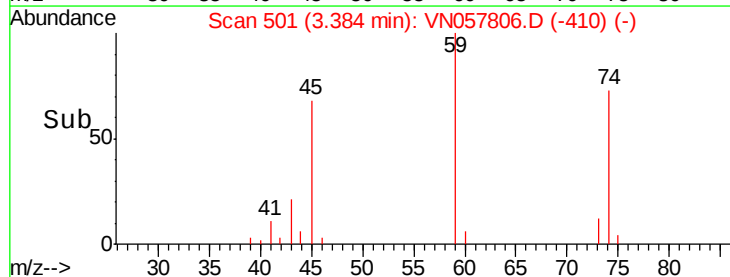
Tgt Ion: 74 Resp: 13633
Ion Ratio Lower Upper
74 100
45 98.9 50.3 151.0

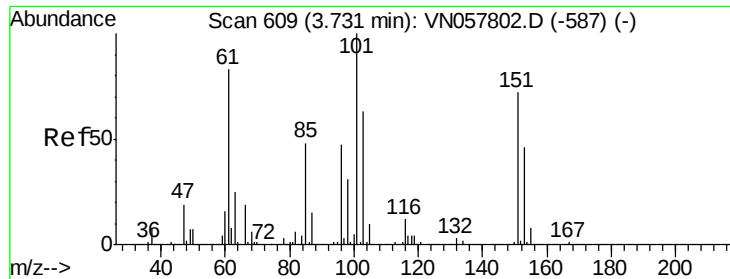


Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO



Time--> 3.30 3.35 3.40 3.45





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.722 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Instrument :

MSVOA_N

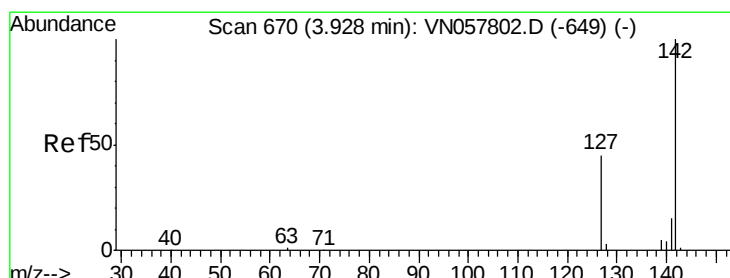
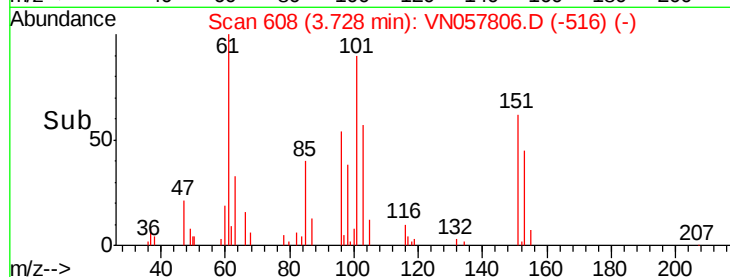
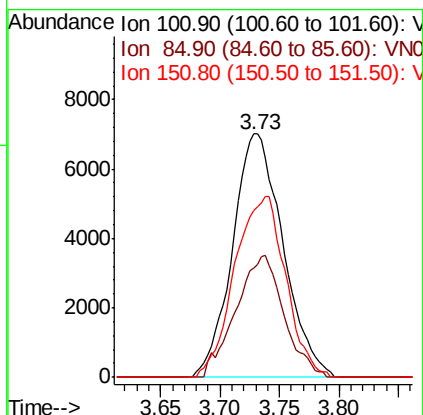
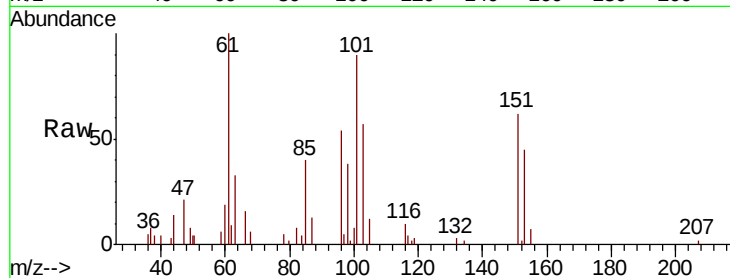
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	20574
Ion Ratio	Lower	Upper	
101	100		
85	47.6	38.1	57.1
151	75.1	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 5.085 ug/l

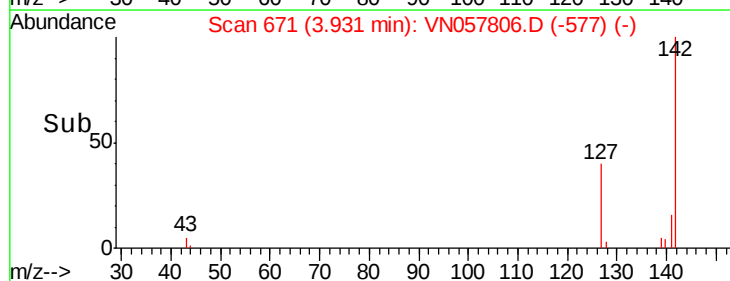
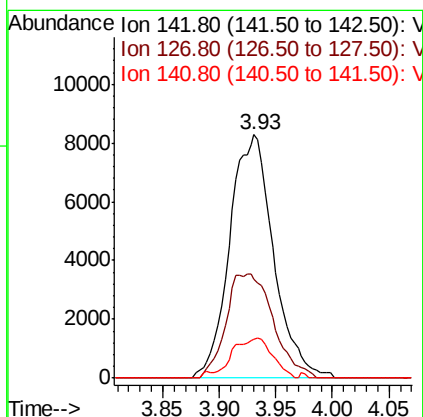
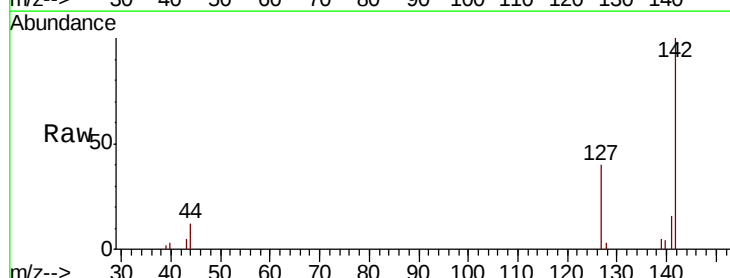
RT: 3.93 min Scan# 671

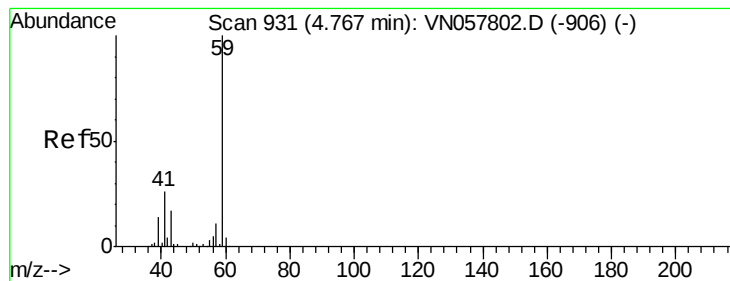
Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Tgt Ion:	142	Resp:	22282
Ion Ratio	Lower	Upper	
142	100		
127	46.1	36.7	55.1
141	15.6	11.4	17.0





#11

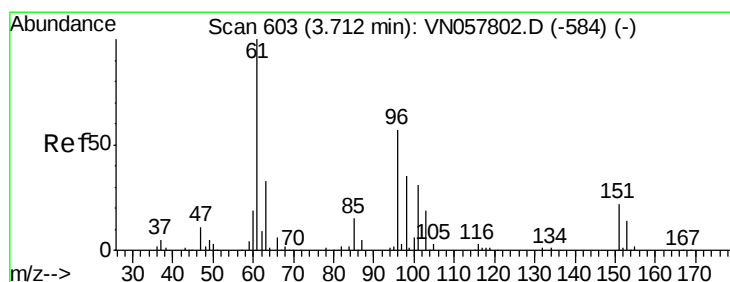
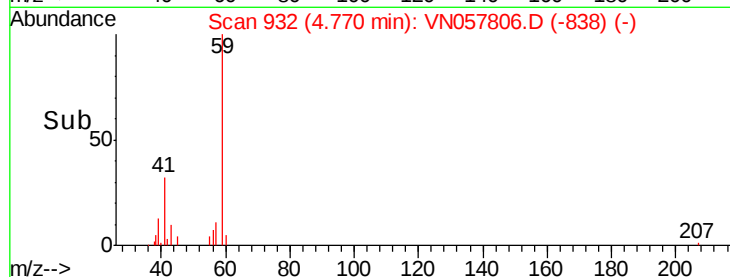
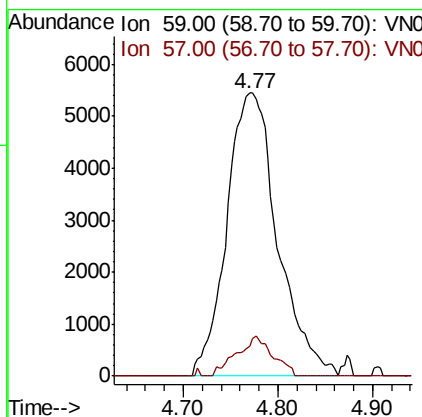
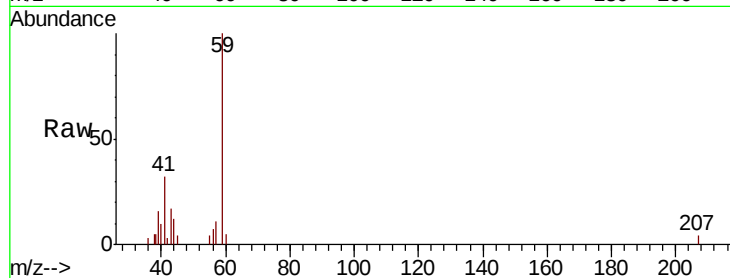
Tert butyl alcohol
Concen: 22.792 ug/l
RT: 4.77 min Scan# 932
Delta R.T. 0.00 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.4	12.6

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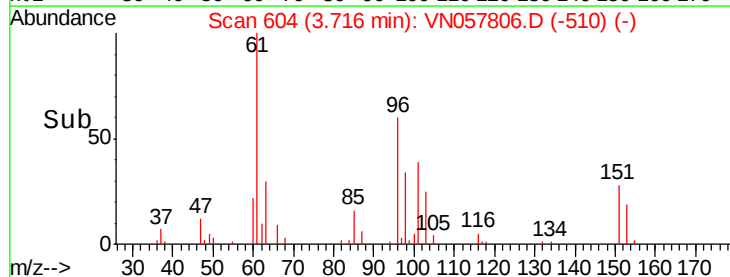
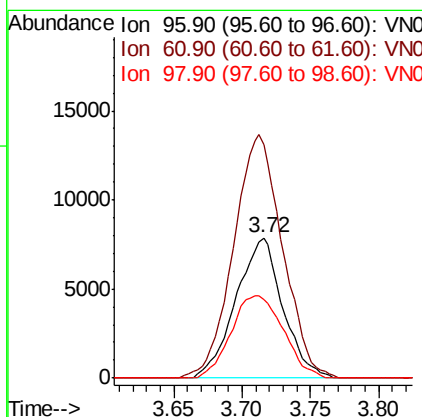
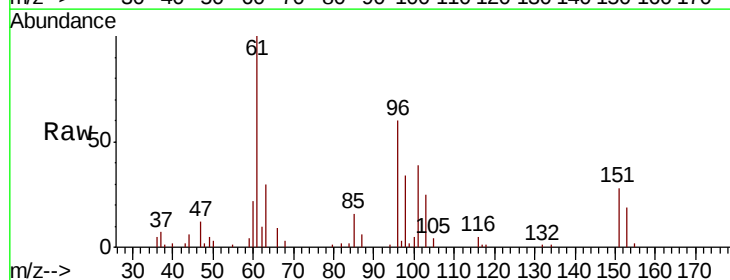
MMDadoda
9/13/2019 5:16:16 AM

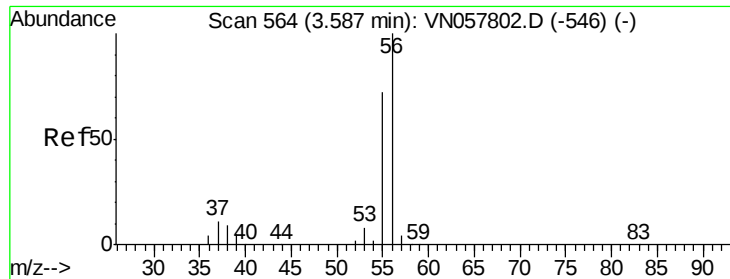


#12

1,1-Dichloroethene
Concen: 4.815 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.8	141.2	211.8
98	56.2	49.9	74.9





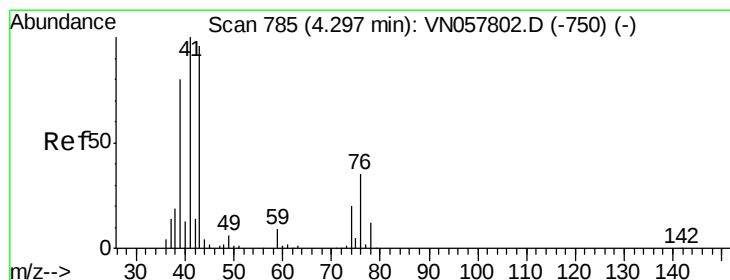
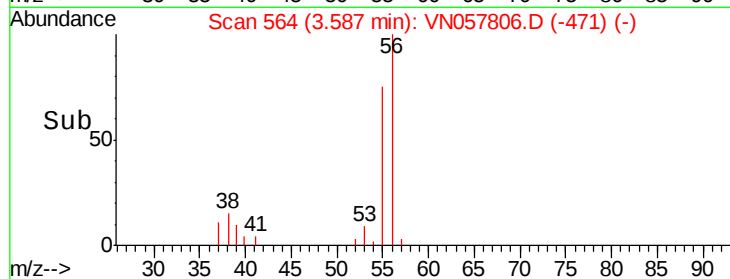
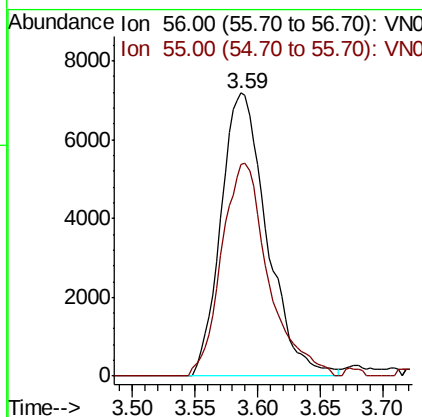
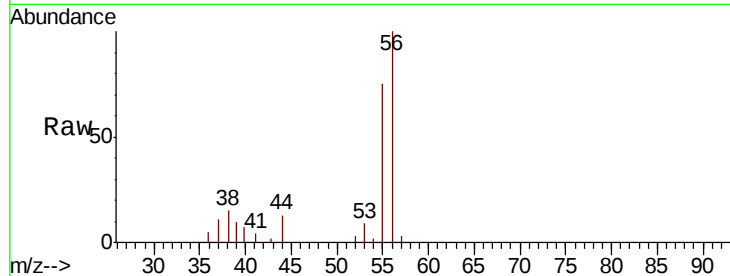
#13
Acrolein
Concen: 38.154 ug/l
RT: 3.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
55	76.3	57.3	85.9

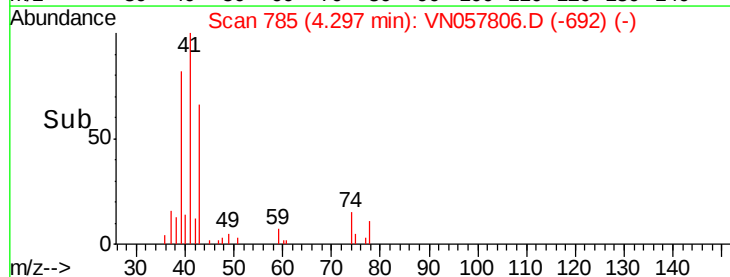
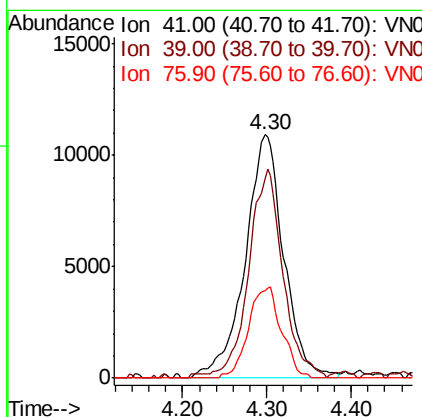
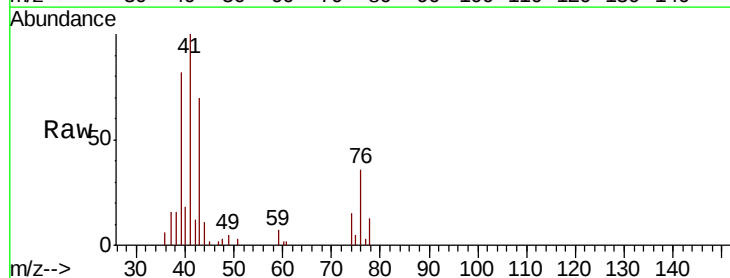
Manual Integrations
APPROVED

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9/13/2019 5:16:16 AM



#14
Allyl chloride
Concen: 3.988 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
41	100		
39	75.8	59.4	89.2
76	32.0	26.0	39.0





#15

Acrylonitrile

Concen: 23.868 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Instrument :

MSVOA_N

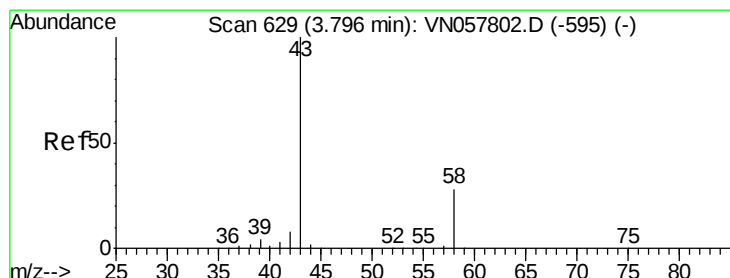
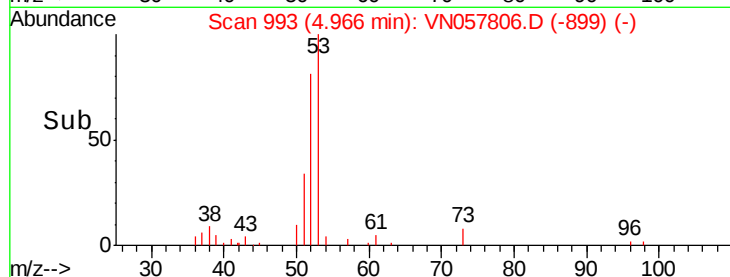
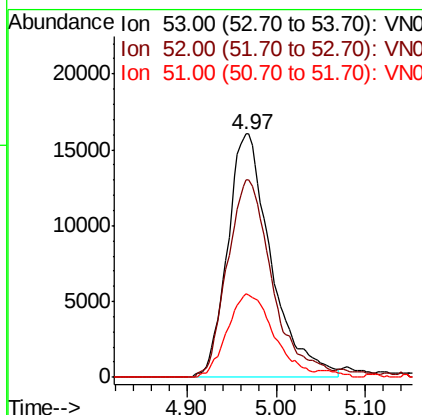
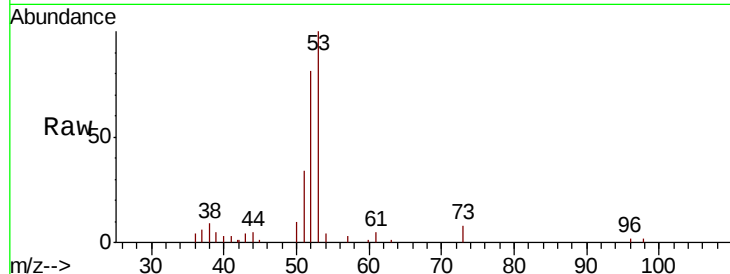
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	54331
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.6	100.0
51	36.4	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 20.046 ug/l

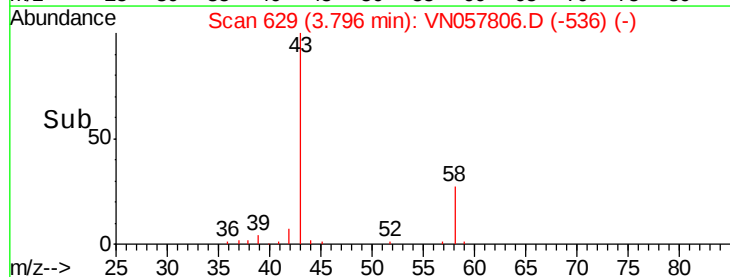
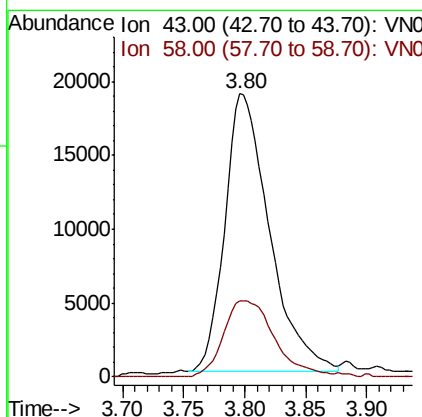
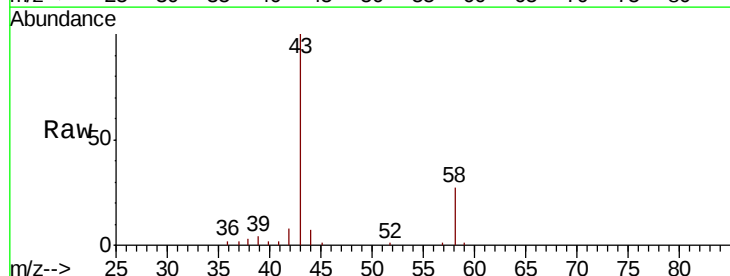
RT: 3.80 min Scan# 629

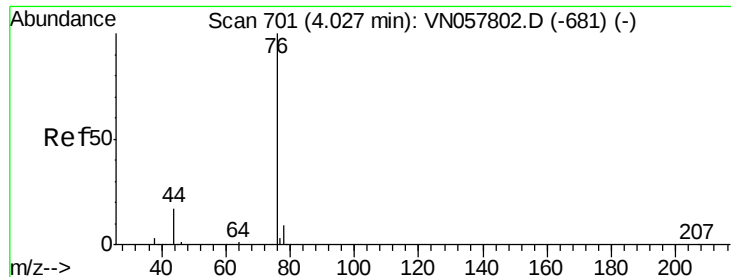
Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Tgt Ion:	43	Resp:	48102
Ion	Ratio	Lower	Upper
43	100		
58	27.4	22.2	33.2





#17

Carbon Disulfide

Concen: 4.590 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 38758

Ion Ratio Lower Upper

76 100

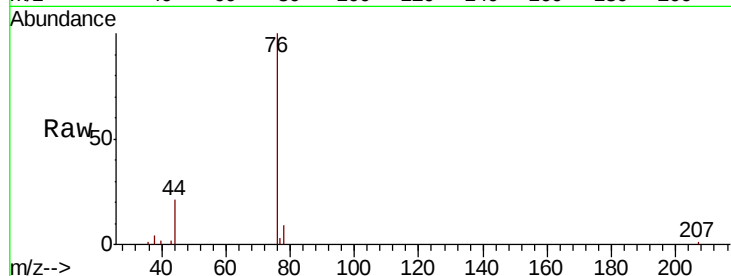
78 8.8 7.1 10.7

Manual Integrations

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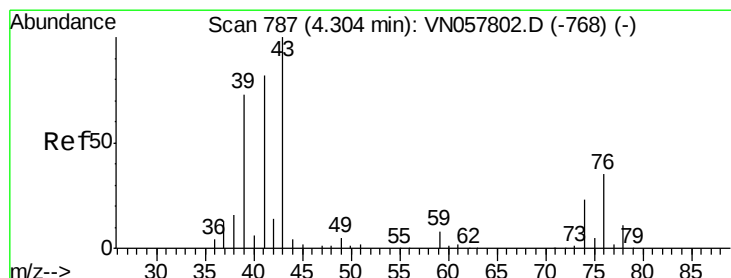
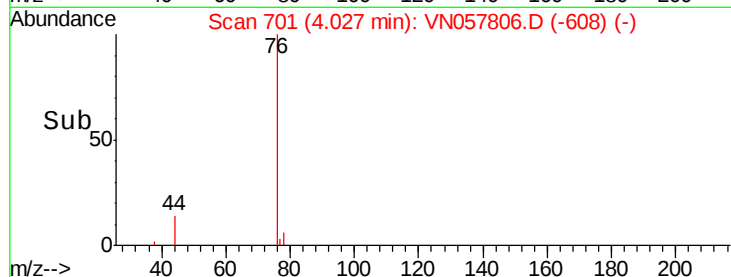
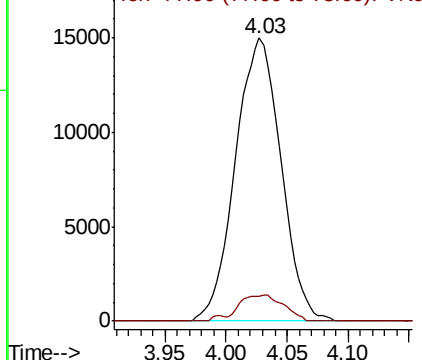
MMDadoda

9/13/2019 5:16:16 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 4.324 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN057806.D

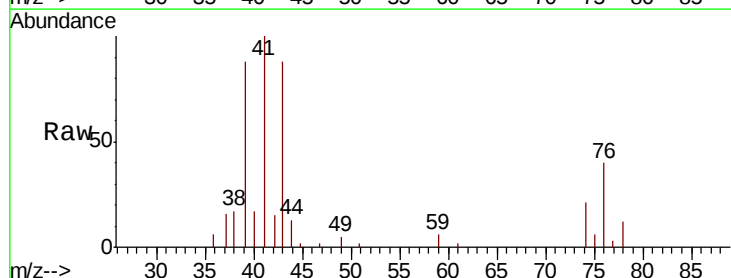
Acq: 9 Sep 2019 17:16

Tgt Ion: 43 Resp: 28090

Ion Ratio Lower Upper

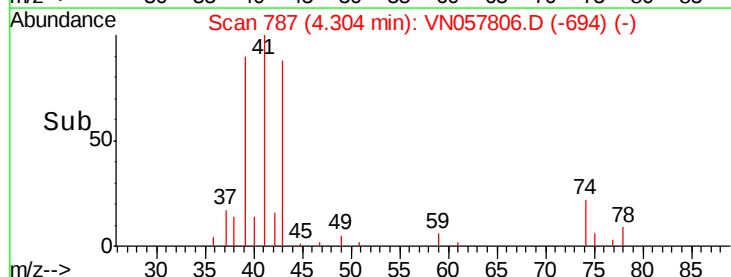
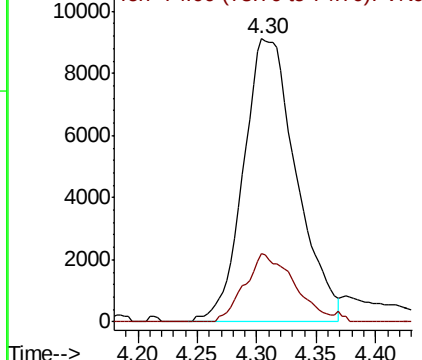
43 100

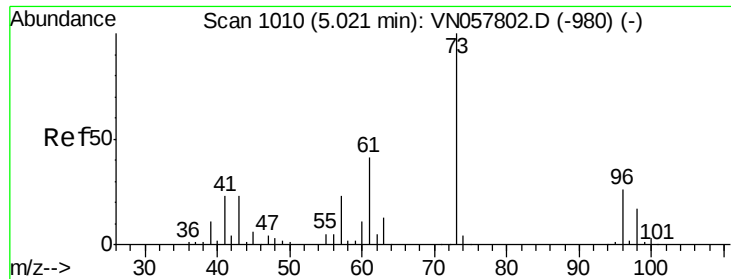
74 22.5 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





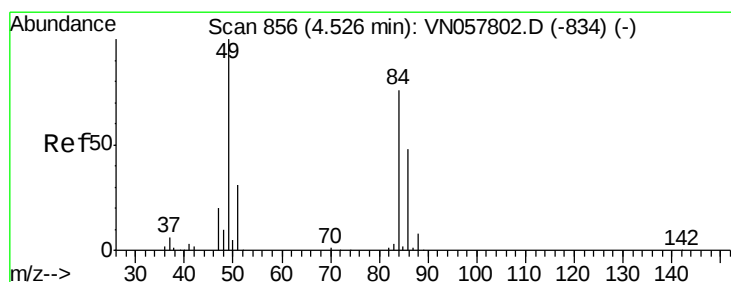
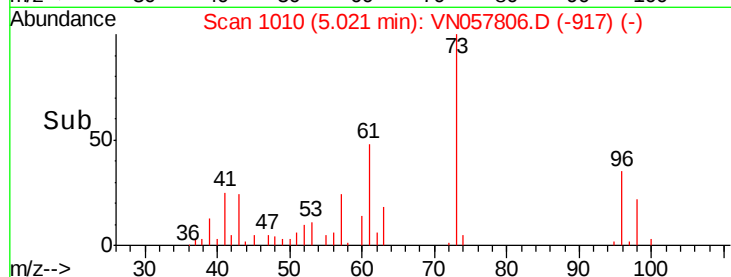
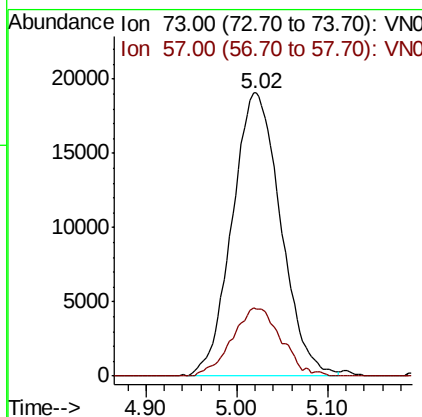
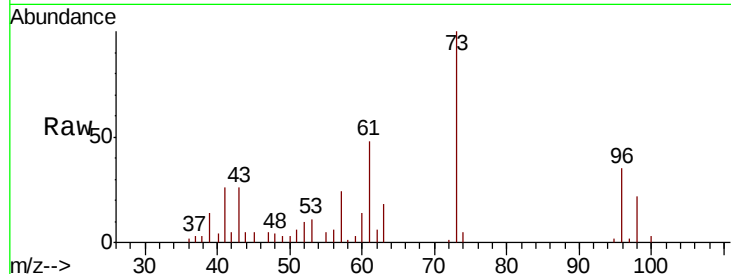
#19
Methvl tert-butvl Ether
Concen: 4.286 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 70652
Ion Ratio Lower Upper
73 100
57 23.7 18.2 27.2

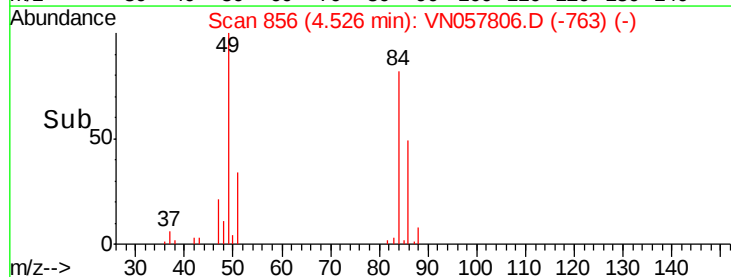
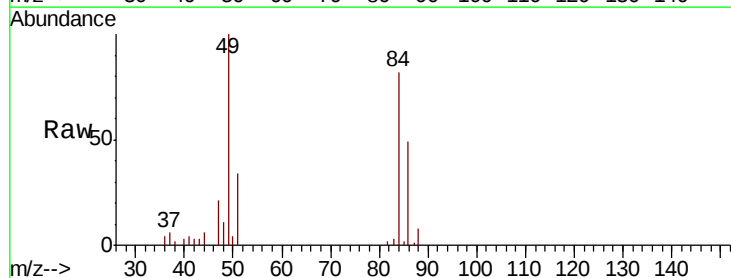
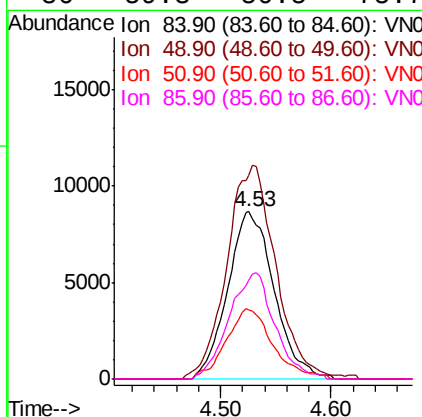
Manual Integrations
APPROVED

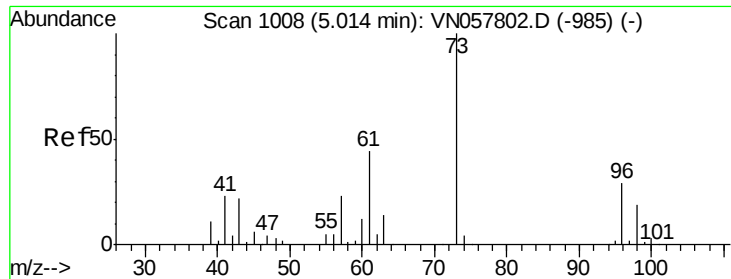
MMDadoda
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#20
Methylene Chloride
Concen: 4.956 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Tgt Ion: 84 Resp: 25383
Ion Ratio Lower Upper
84 100
49 119.6 104.8 157.2
51 41.7 33.0 49.4
86 59.3 50.5 75.7





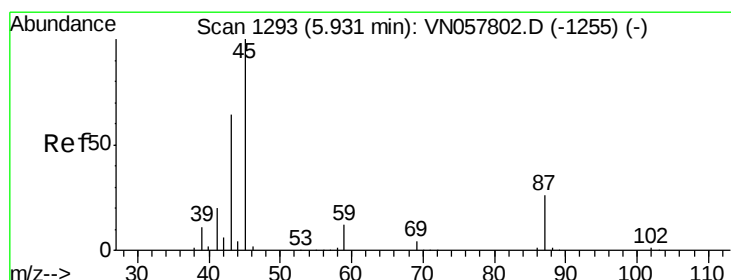
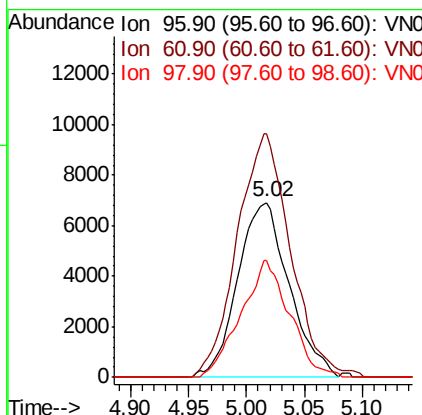
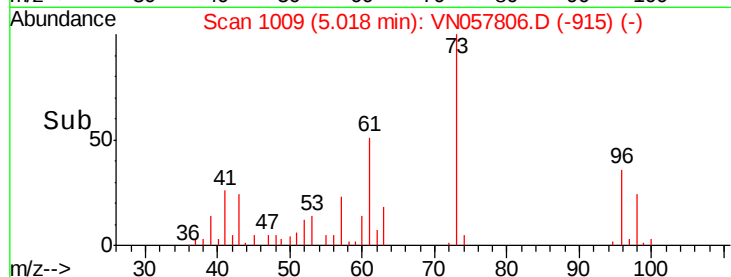
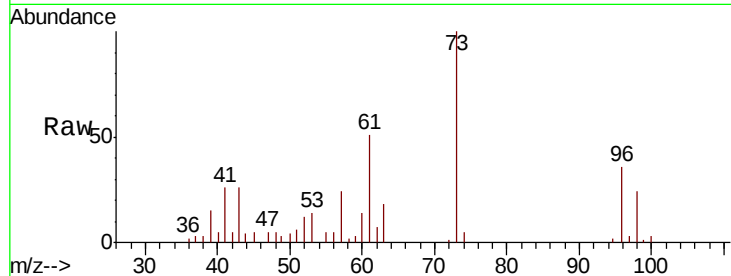
#21
trans-1,2-Dichloroethene
Concen: 5.199 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.1	121.9	182.9
98	66.4	52.2	78.4

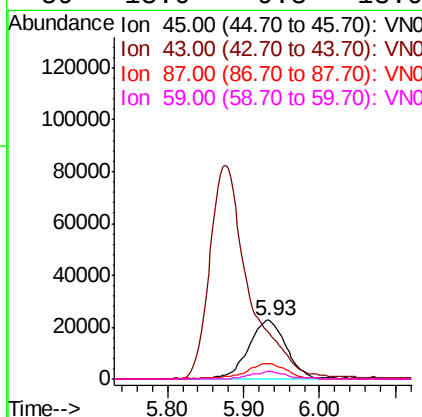
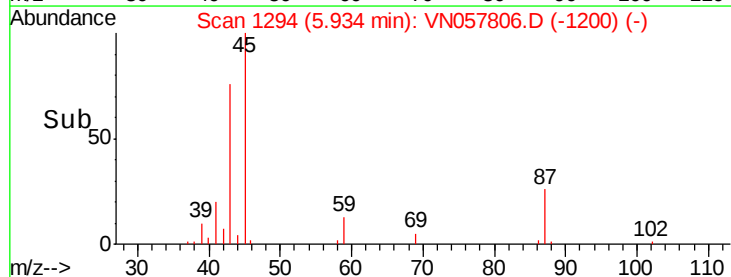
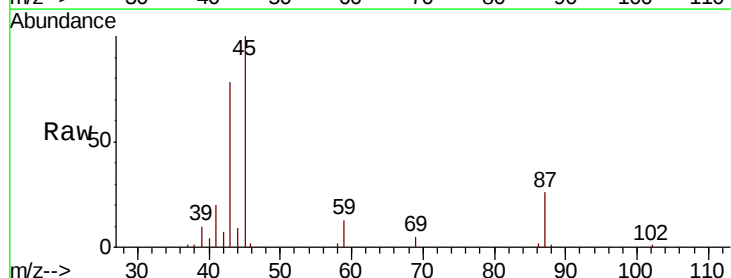
Manual Integrations
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MMDadoda
9/13/2019 5:16:16 AM



#22
Diisopropyl ether
Concen: 4.167 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	72.8	51.4	77.2
87	26.2	21.3	31.9
59	13.0	9.3	13.9





#23

Vinyl Acetate

Concen: 19.444 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 290996

Ion Ratio Lower Upper

43 100

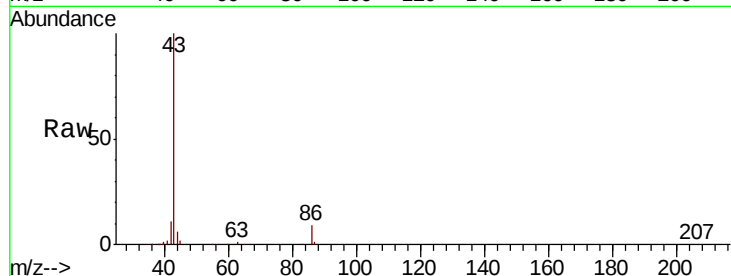
86 9.2 7.7 11.5

Manual Integrations

APPROVED

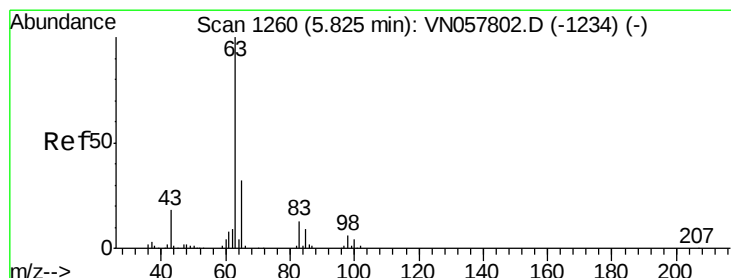
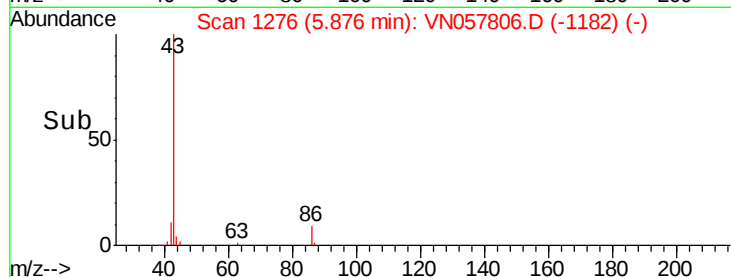
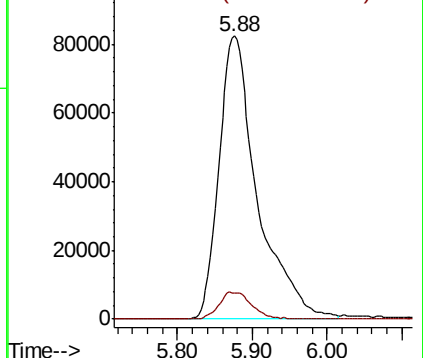
MMDadoda

9/13/2019 5:16:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 4.548 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

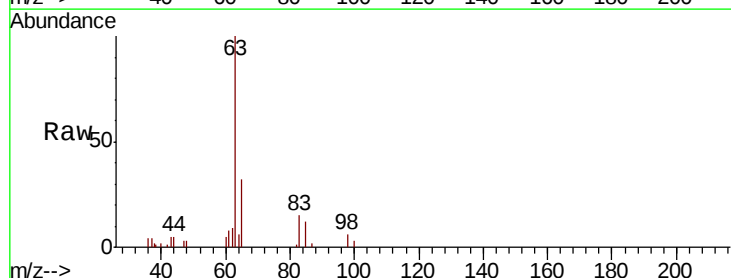
Tgt Ion: 63 Resp: 44298

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

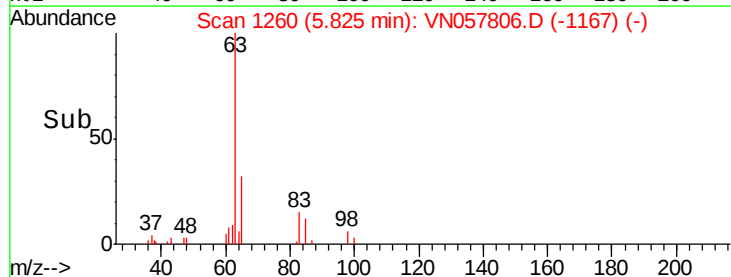
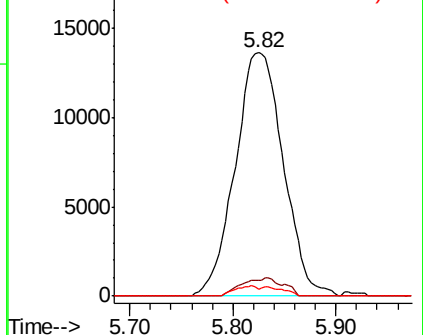
100 3.0 2.0 5.8

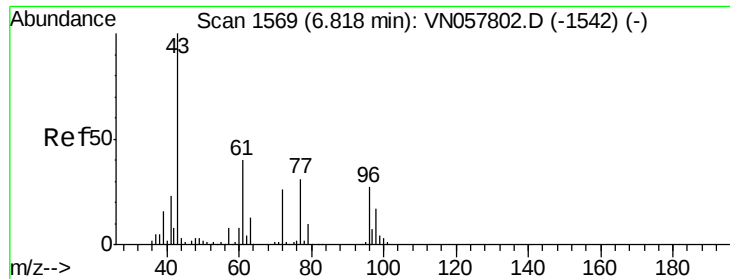


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





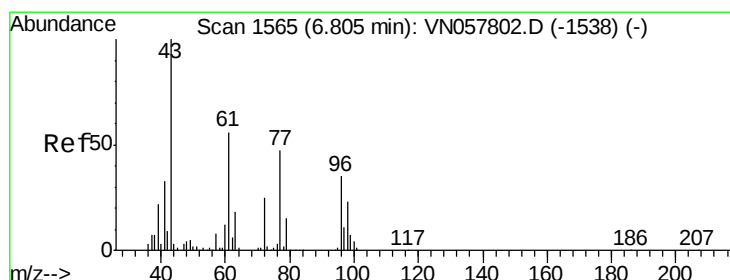
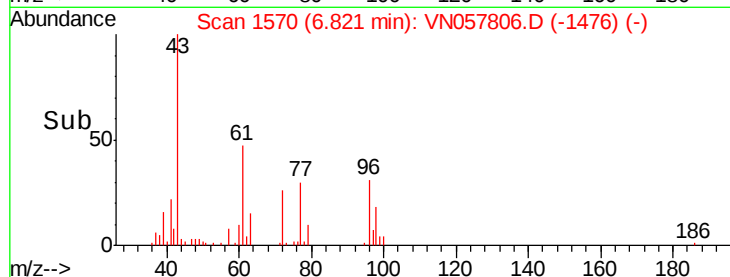
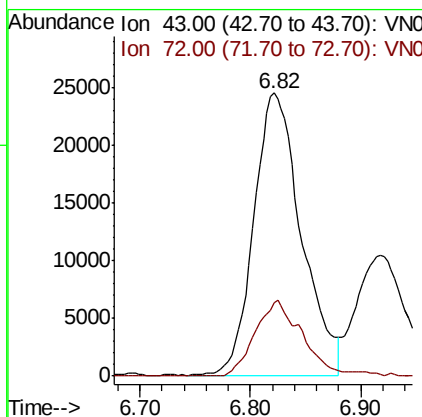
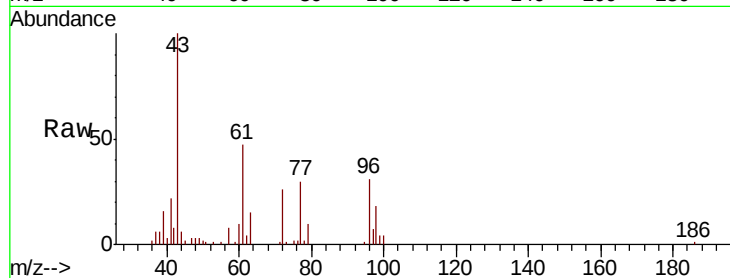
#25
2-Butanone
Concen: 21.536 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 43 Resp: 73779
Ion Ratio Lower Upper
43 100
72 26.0 20.6 30.8

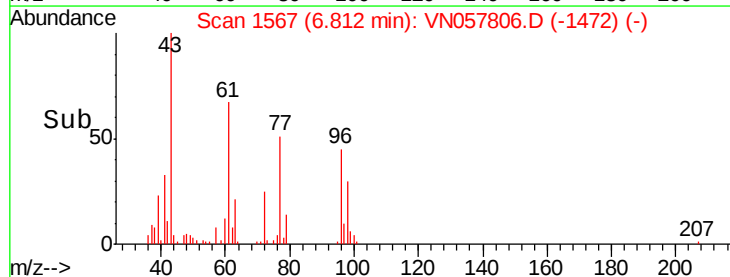
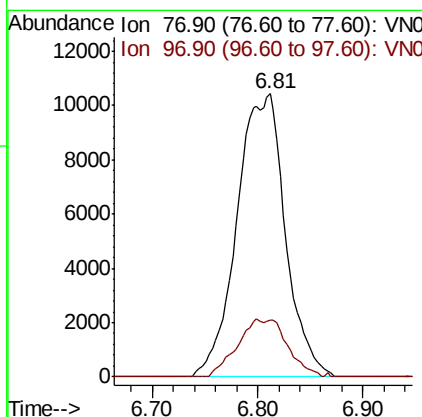
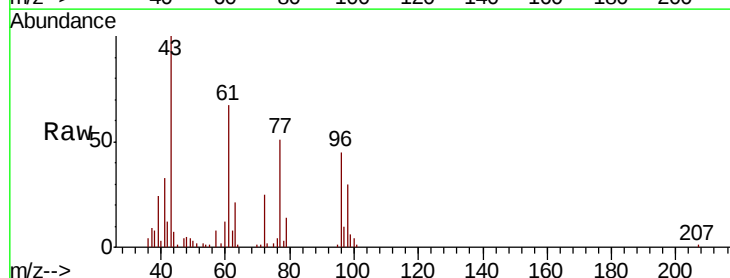
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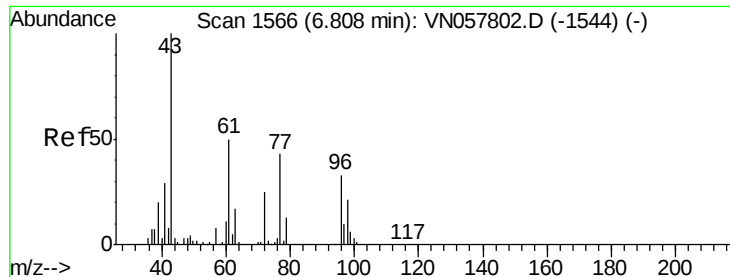
MMDadoda
9/13/2019 5:16:16 AM



#26
2,2-Dichloropropane
Concen: 4.128 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Tgt Ion: 77 Resp: 33191
Ion Ratio Lower Upper
77 100
97 11.3 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 5.075 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Instrument :

MSVOA_N

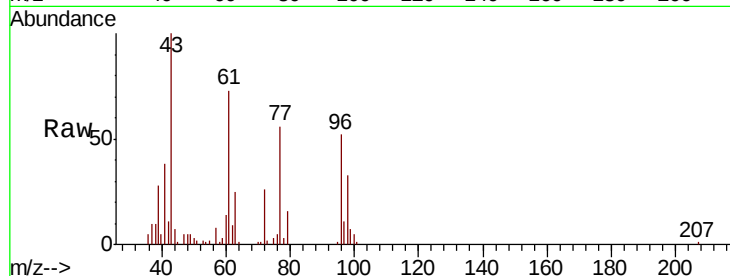
ClientSampled :

VSTDIC005

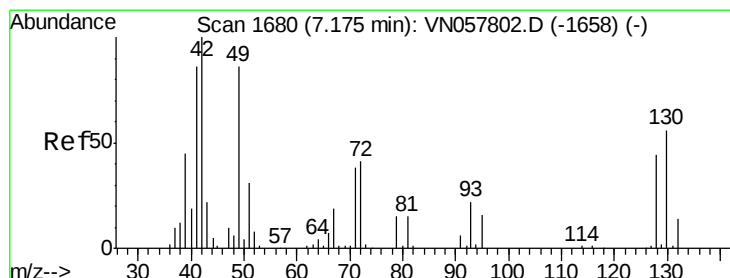
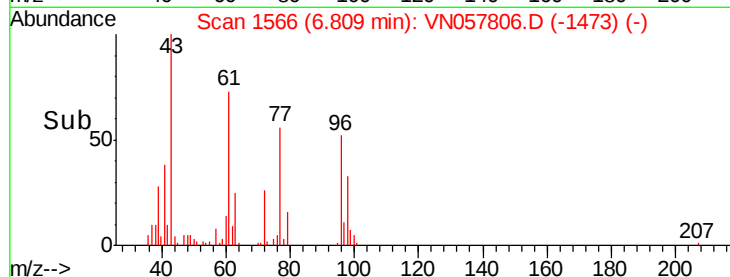
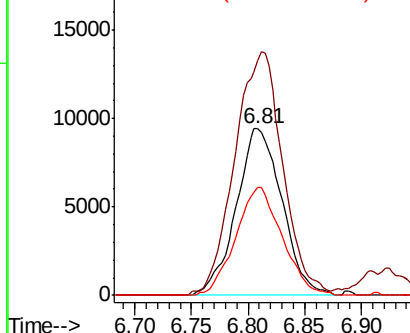
Tot Ion:	96	Resp:	26609
Ion	Ratio	Lower	Upper
96	100		
61	152.6	0.0	314.0
98	65.4	0.0	128.6

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Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 4.180 ug/l

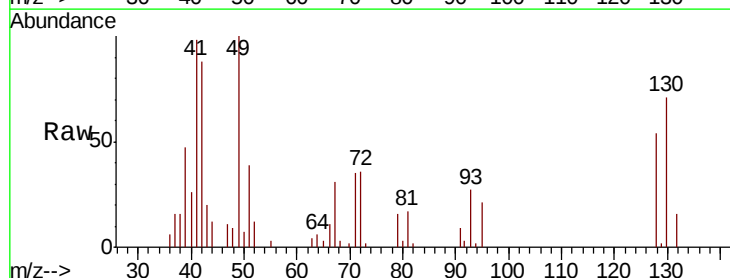
RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

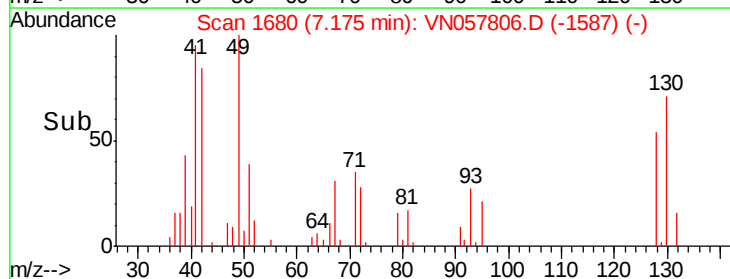
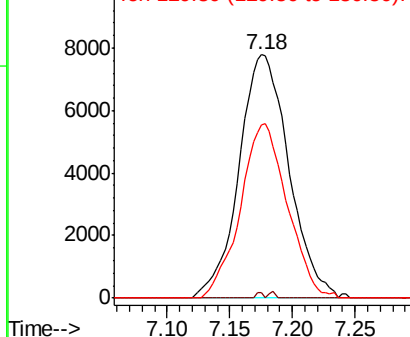
Lab File: VN057806.D

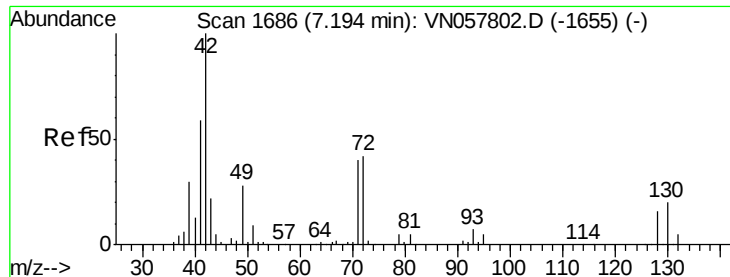
Acq: 9 Sep 2019 17:16

Tgt Ion:	49	Resp:	21538
Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	3.8
130	67.3	53.0	79.6



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 21.165 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Instrument :

MSVOA_N

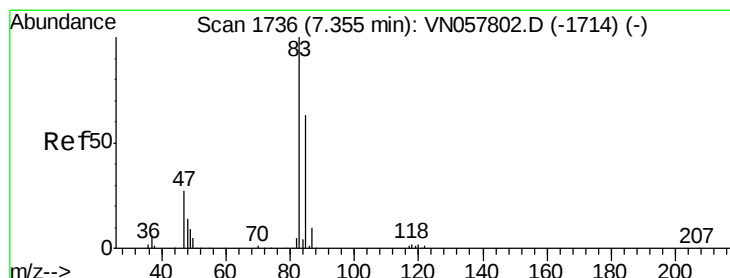
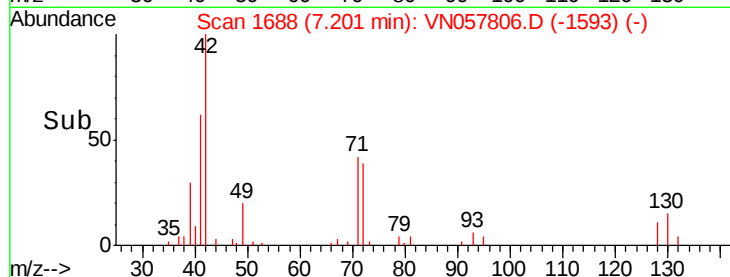
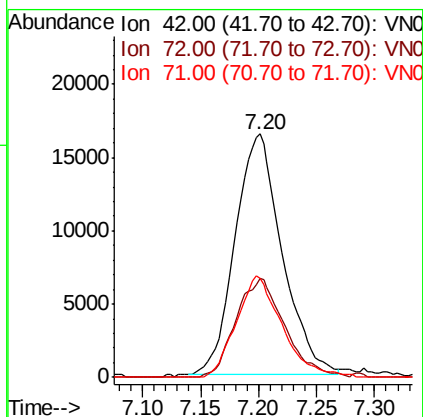
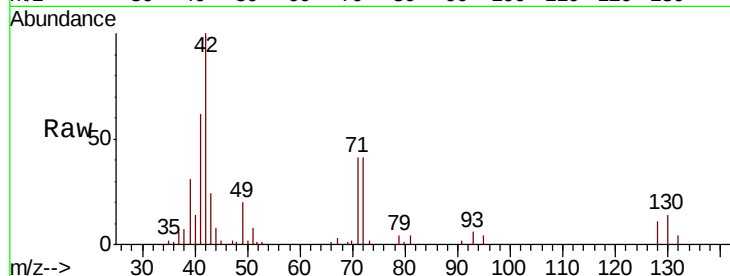
ClientSampleId :

VSTDIC005

Tot Ion:	42	Resp:	46402
Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.7	50.5
71	40.8	31.9	47.9

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#30

Chloroform

Concen: 4.537 ug/l

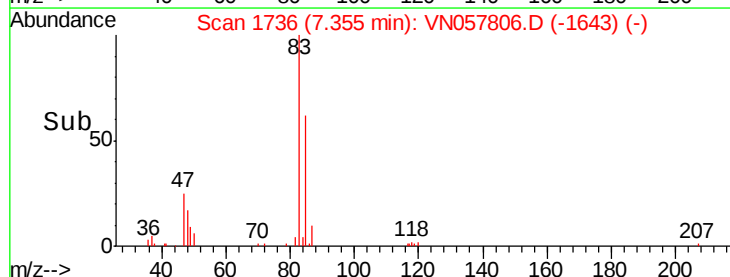
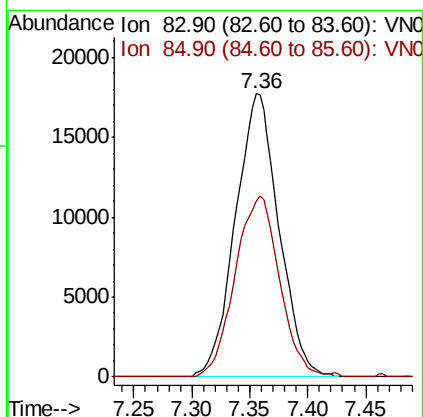
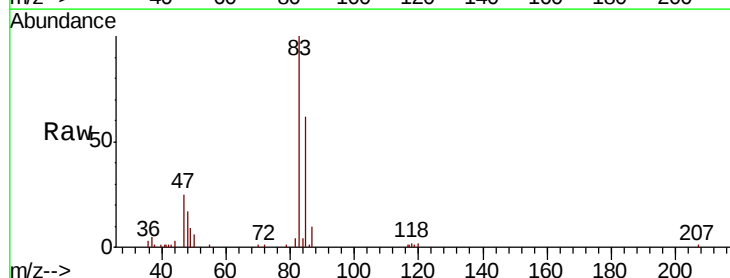
RT: 7.36 min Scan# 1736

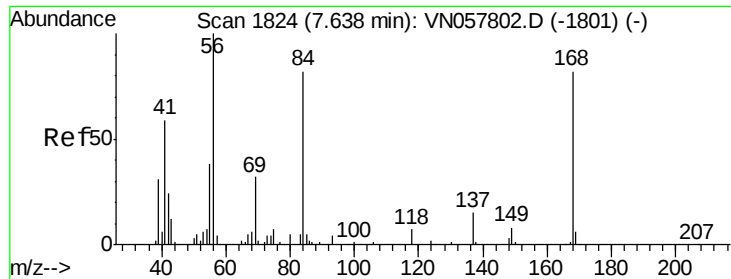
Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Tgt Ion:	83	Resp:	46107
Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.6	75.8





#31

Cyclohexane

Concen: 5.286 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Instrument :

MSVOA_N

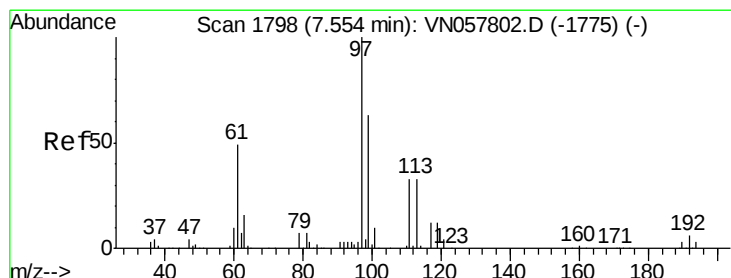
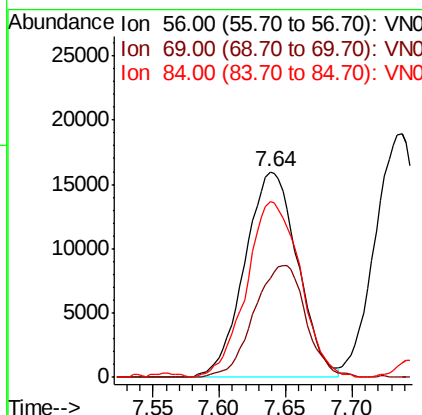
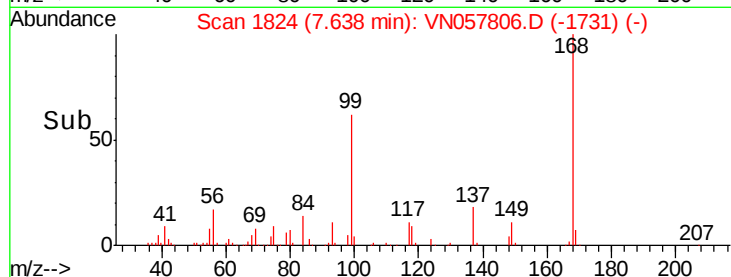
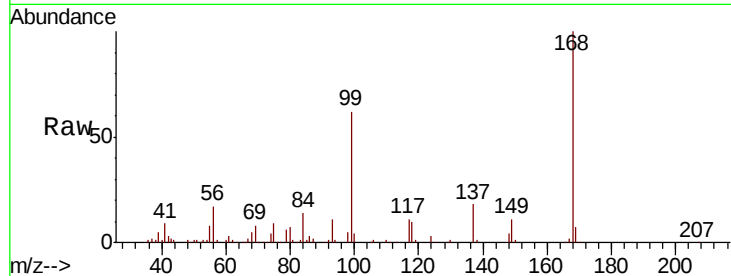
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	44503
Ion Ratio	Lower	Upper	
56	100		
69	48.3	25.9	38.9#
84	85.4	65.6	98.4

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#32

1,1,1-Trichloroethane

Concen: 4.248 ug/l

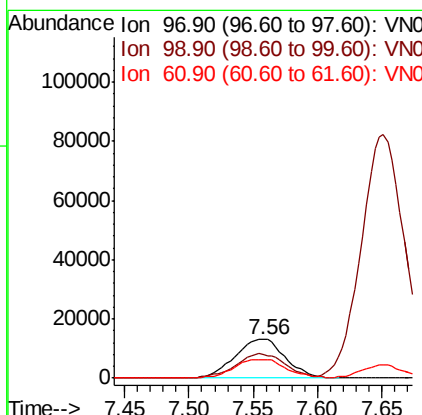
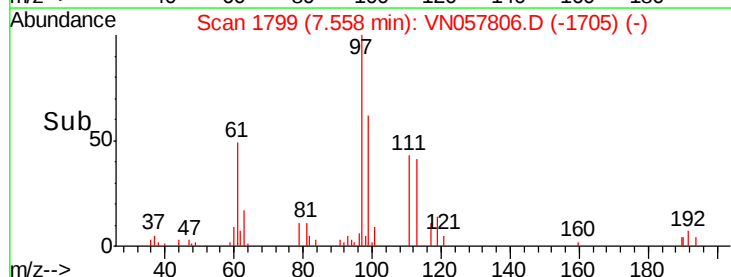
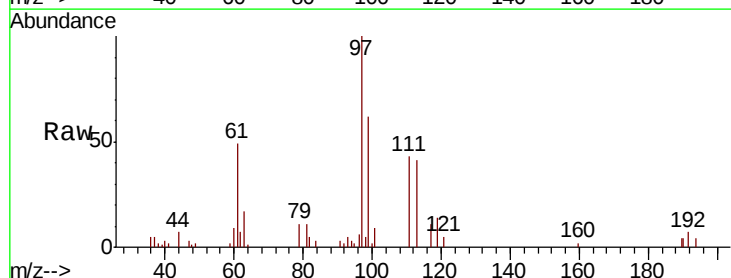
RT: 7.56 min Scan# 1799

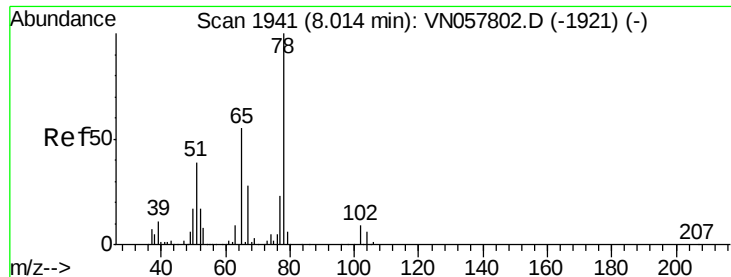
Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Tgt Ion:	97	Resp:	35606
Ion Ratio	Lower	Upper	
97	100		
99	61.7	51.0	76.4
61	50.4	39.0	58.6





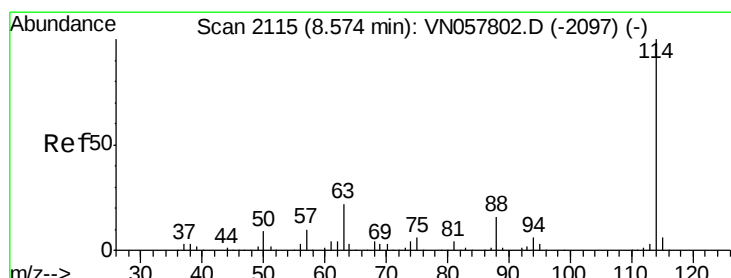
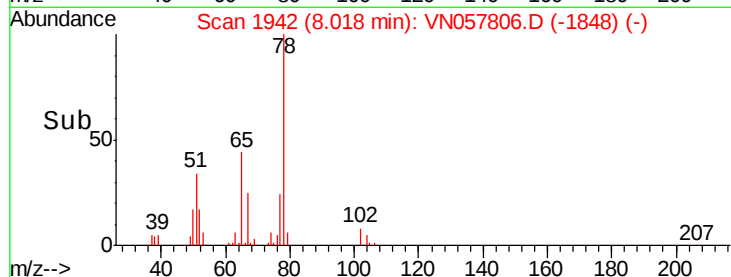
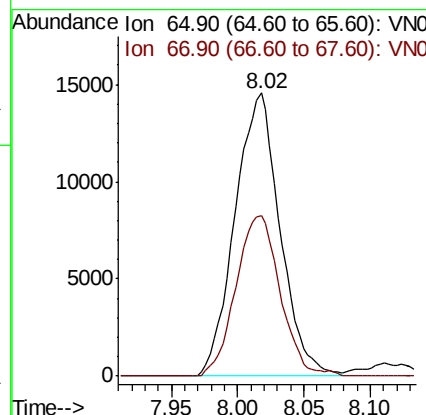
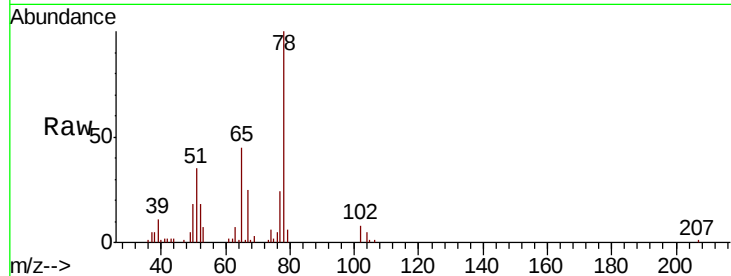
#33
 1,2-Dichloroethane-d4
 Concen: 4.518 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057806.D
 Acq: 9 Sep 2019 17:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 65 Resp: 34350
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 104.0

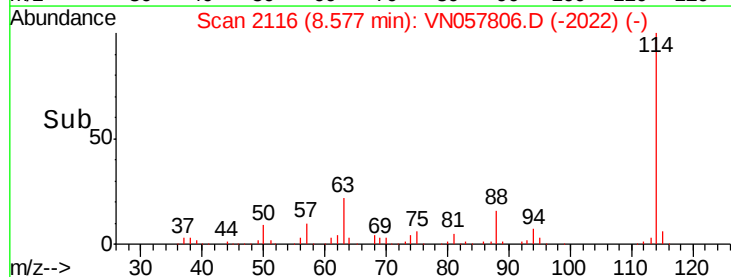
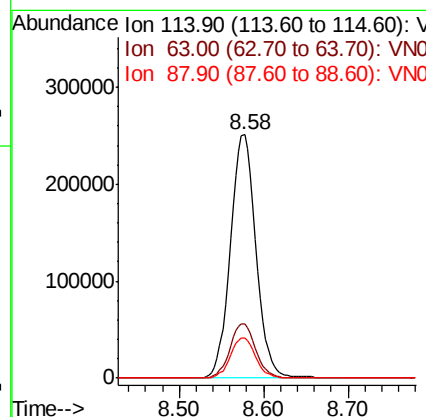
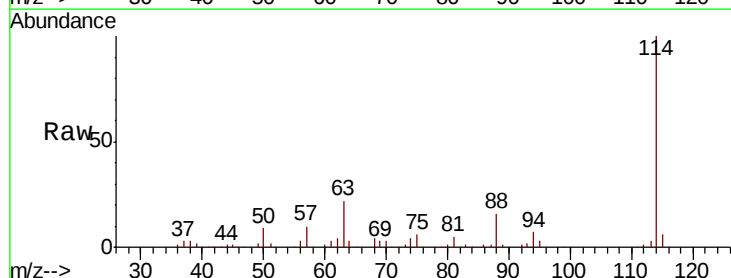
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057806.D
 Acq: 9 Sep 2019 17:16

Tgt Ion: 114 Resp: 529029
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 44.0
 88 16.4 0.0 31.4





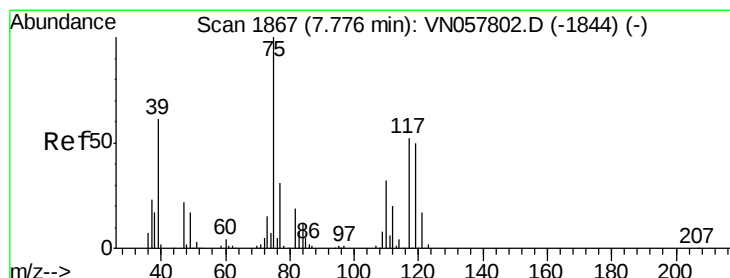
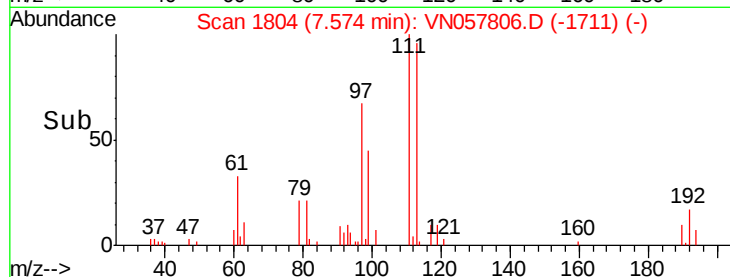
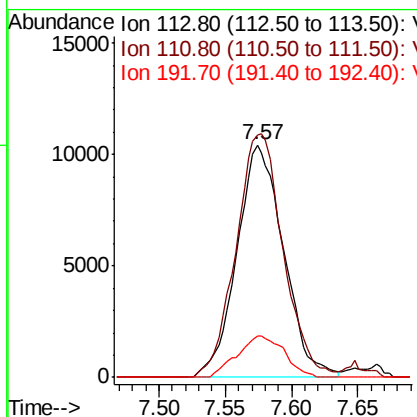
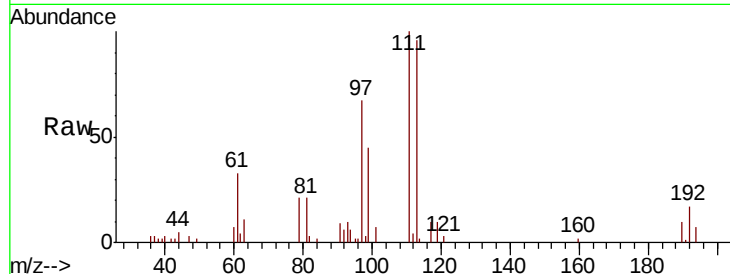
#35
 Dibromofluoromethane
 Concen: 5.322 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN057806.D
 Acq: 9 Sep 2019 17:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	105.6	81.3	121.9	
192	17.8	14.6	22.0	

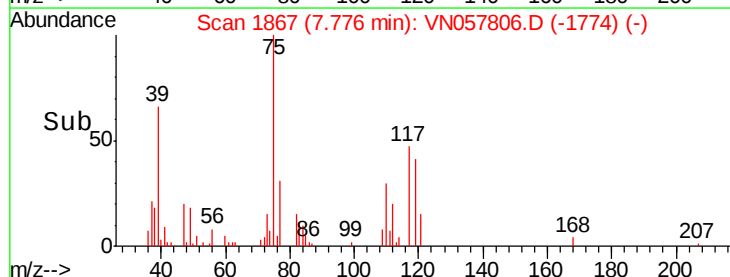
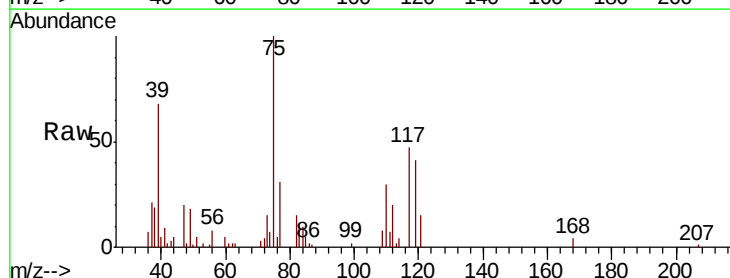
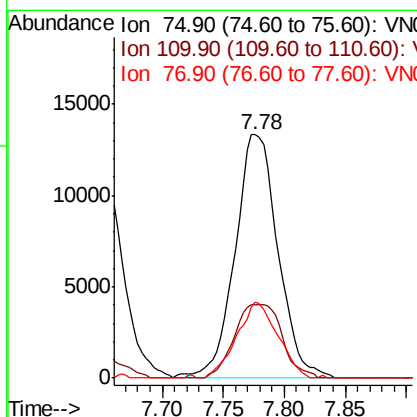
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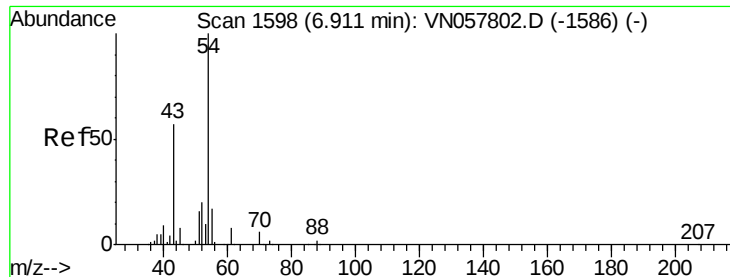
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#36
 1,1-Dichloropropene
 Concen: 4.726 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057806.D
 Acq: 9 Sep 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.6	16.3	48.9	
77	29.9	25.0	37.4	





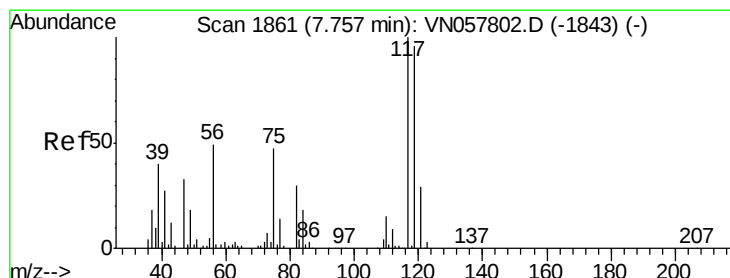
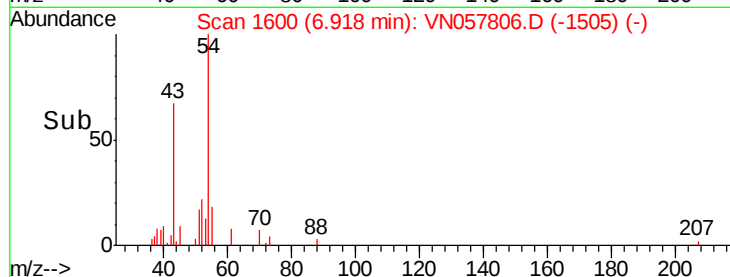
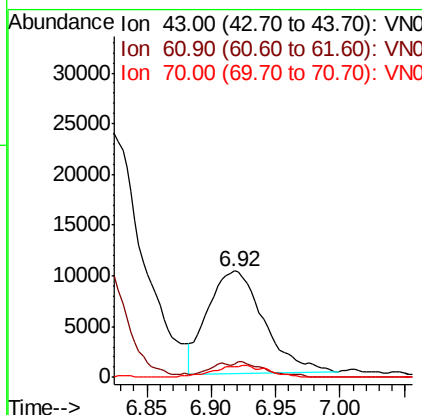
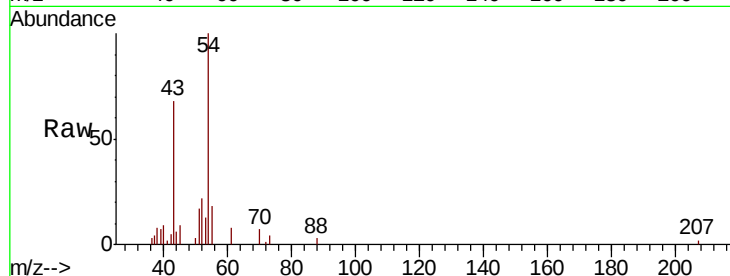
#37
Ethyl Acetate
Concen: 4.543 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.5	15.7#
70	11.0	7.4	11.0

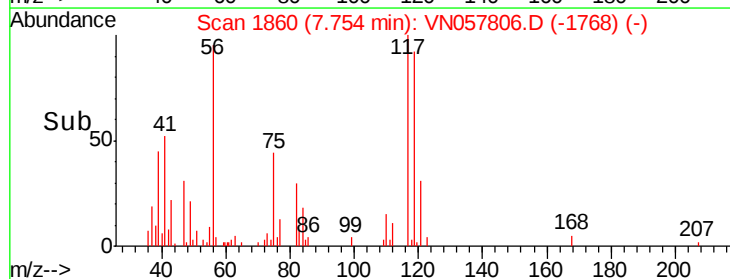
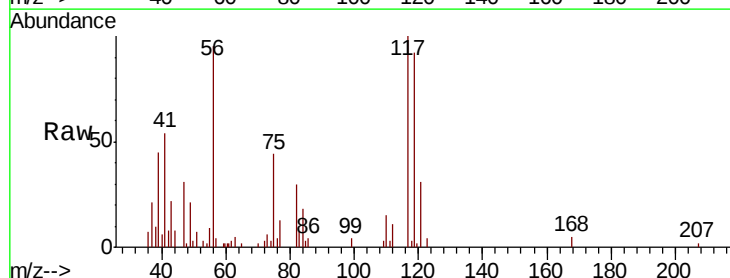
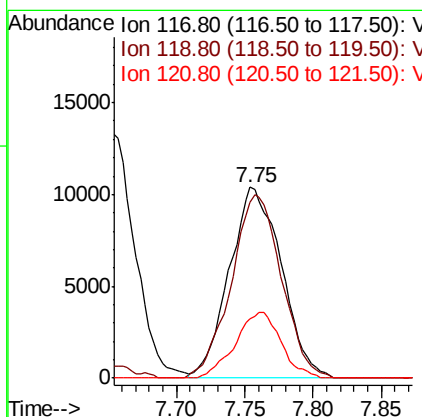
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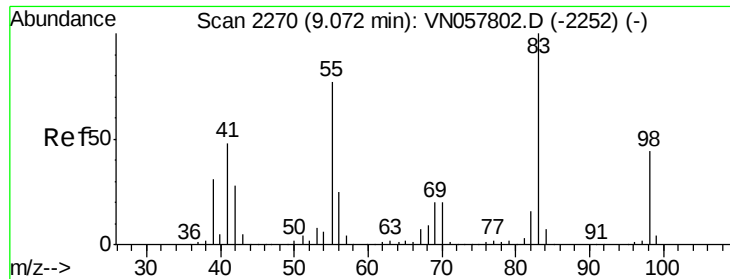
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#38
Carbon Tetrachloride
Concen: 4.244 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.2	76.9	115.3
121	31.2	23.4	35.2





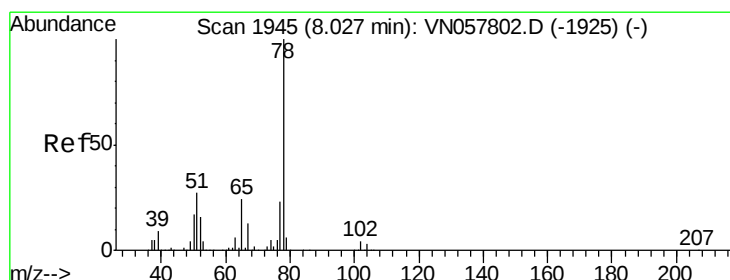
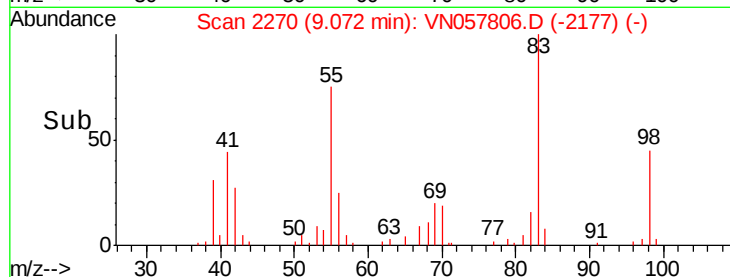
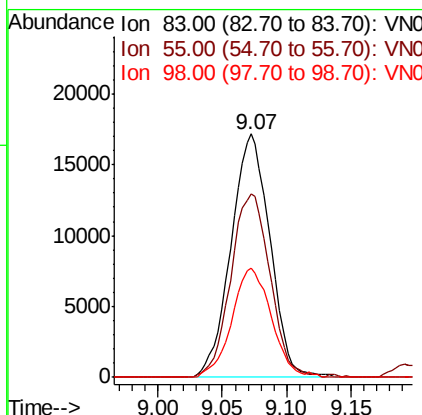
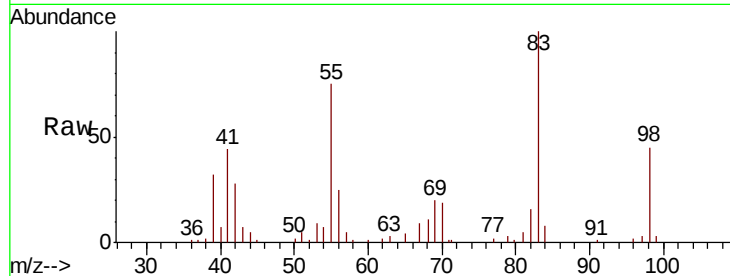
#39
Methvlcvclohexane
Concen: 5.012 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	83.00	Resp:	36072
Ion Ratio	Lower	Upper	
83	100		
55	75.5	61.6	92.4
98	44.9	34.9	52.3

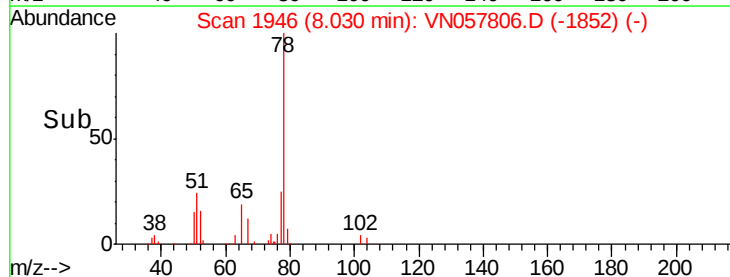
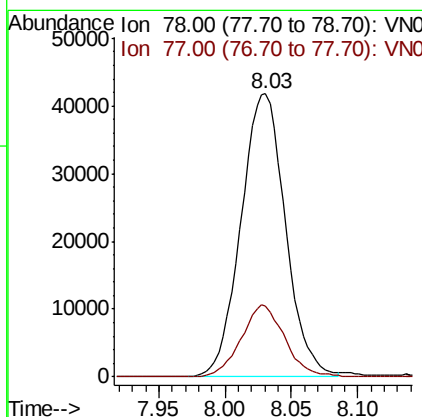
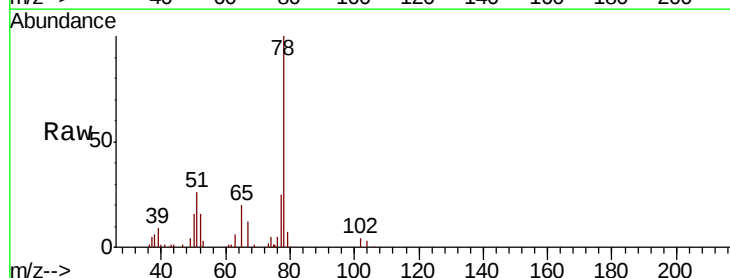
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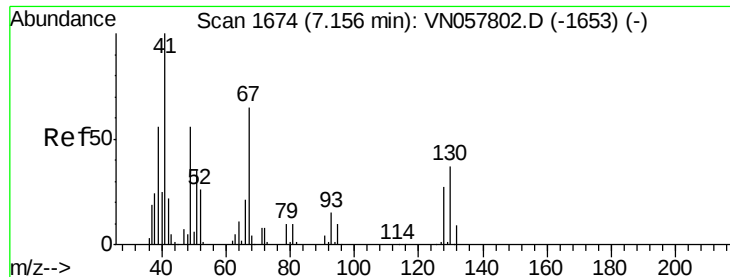
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#40
Benzene
Concen: 4.993 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Tgt Ion	78.00	Resp:	97743
Ion Ratio	Lower	Upper	
78	100		
77	24.8	18.3	27.5





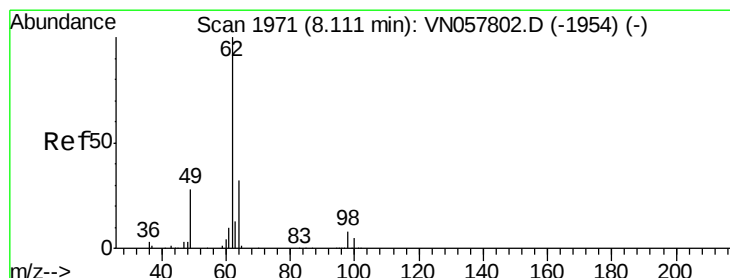
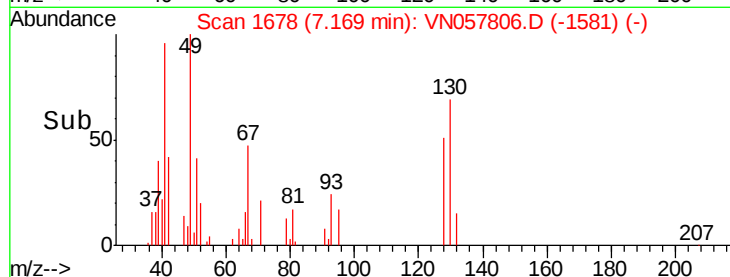
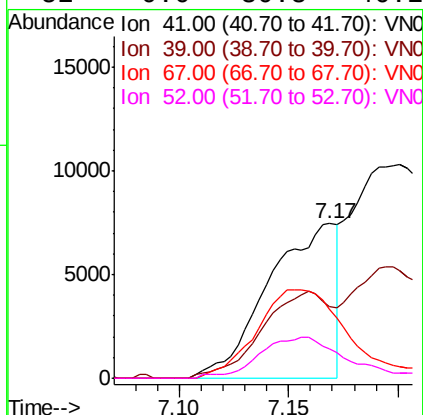
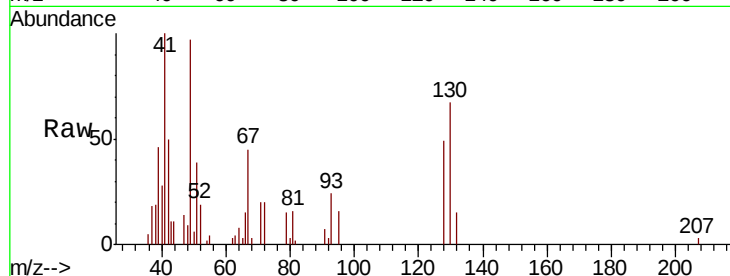
#41
Methacrylonitrile
Concen: 4.868 ug/l m
RT: 7.17 min Scan# 1678
Delta R.T. 0.01 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	80.9	51.0	76.6#
67	0.0	70.7	106.1#
52	0.0	30.8	46.2#

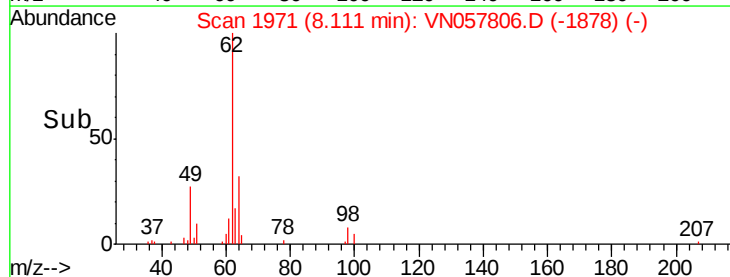
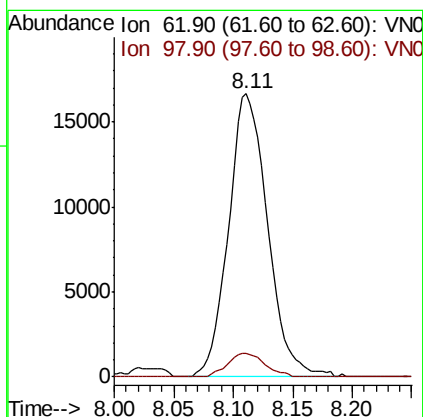
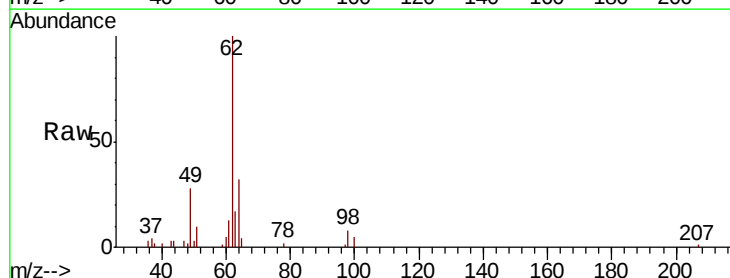
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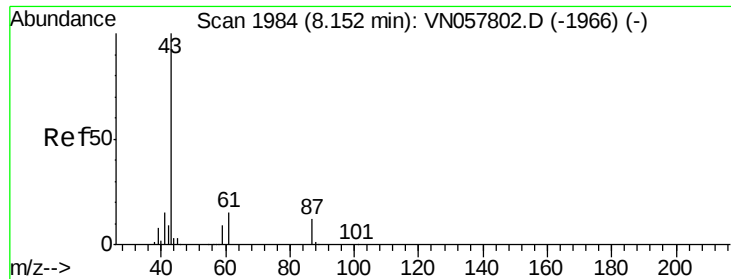
MMDadoda
9/13/2019 5:16:16 AM



#42
1,2-Dichloroethane
Concen: 4.226 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.8





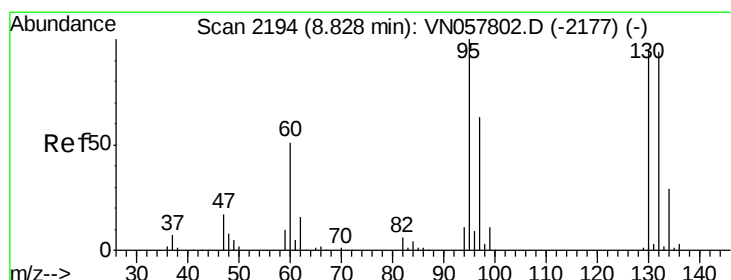
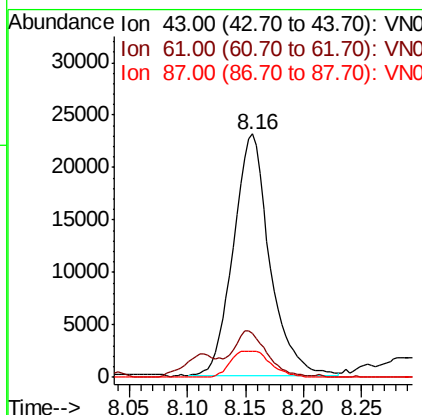
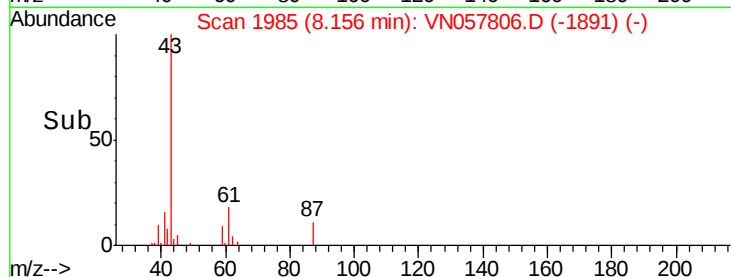
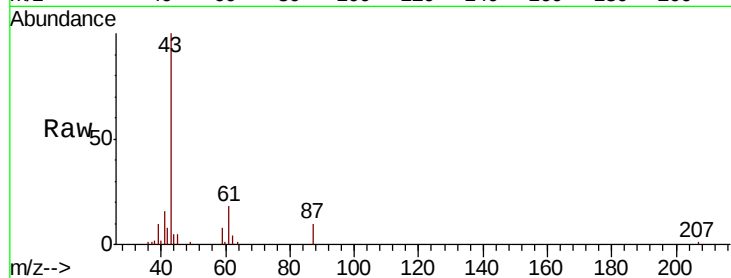
#43
Isopropyl Acetate
Concen: 3.857 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.8	20.1	30.1#
87	12.0	9.5	14.3

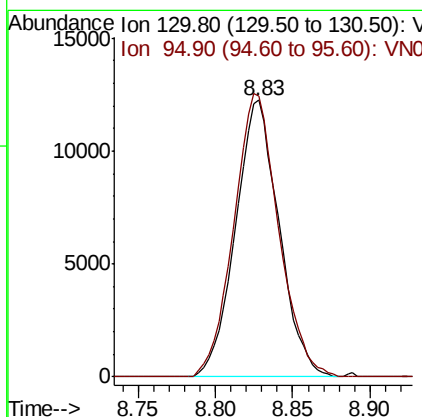
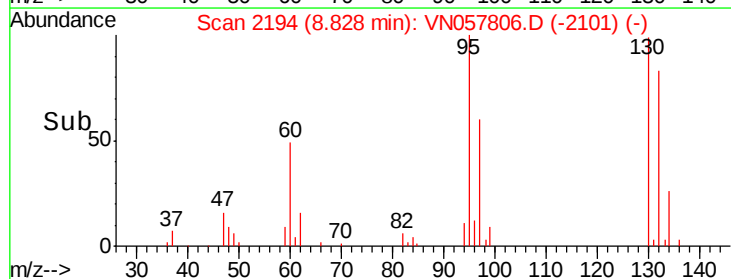
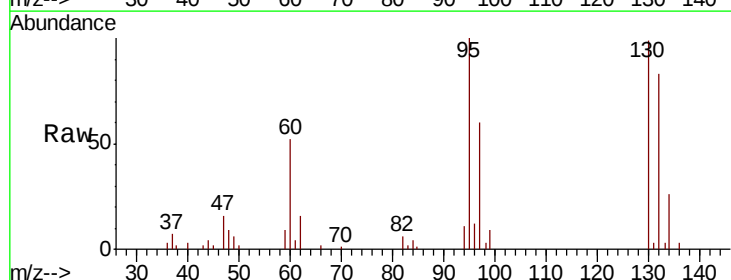
Manual Integrations
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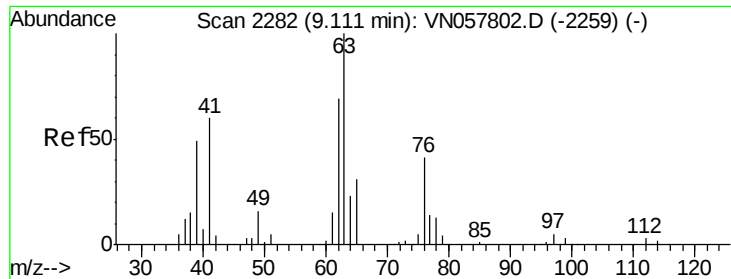
MMDadoda
9/13/2019 5:16:16 AM



#44
Trichloroethene
Concen: 5.425 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	211.4





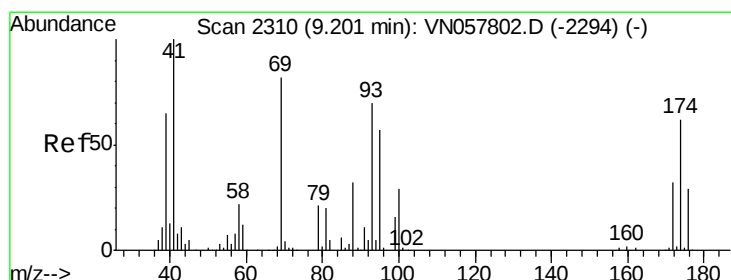
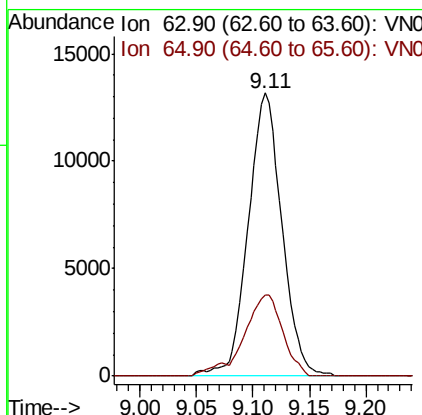
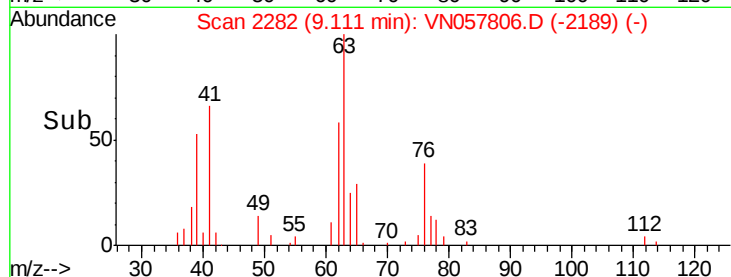
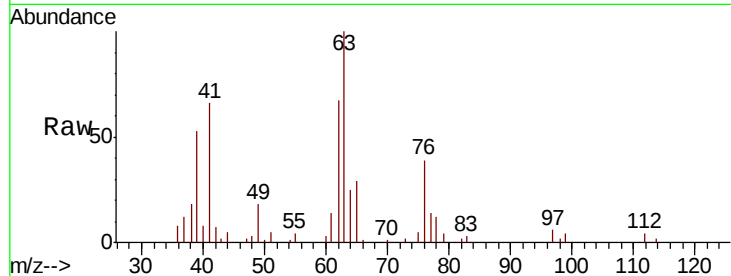
#45
 1,2-Dichloropropane
 Concen: 4.974 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057806.D
 Acq: 9 Sep 2019 17:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.6	24.8	37.2

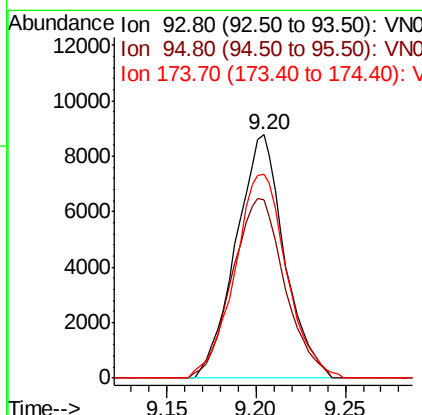
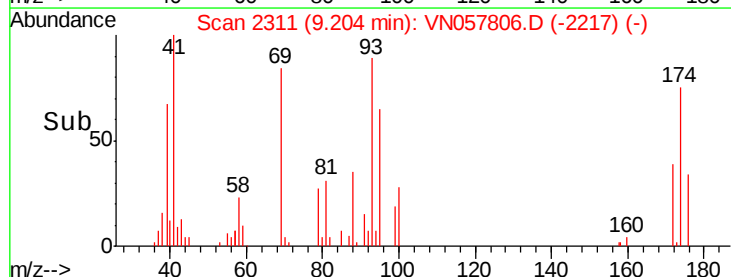
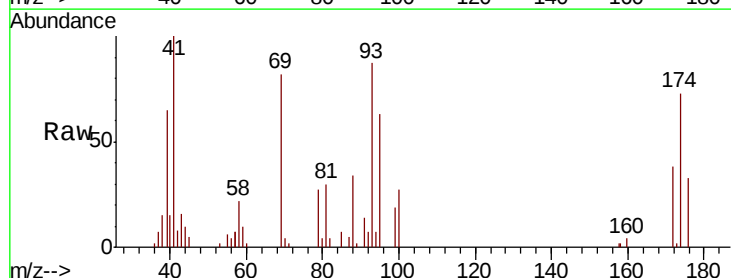
Manual Integrations
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#46
 Dibromomethane
 Concen: 4.748 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN057806.D
 Acq: 9 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.0	65.9	98.9
174	89.7	71.8	107.6





#47

Bromodichloromethane

Concen: 3.960 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Instrument :

MSVOA_N

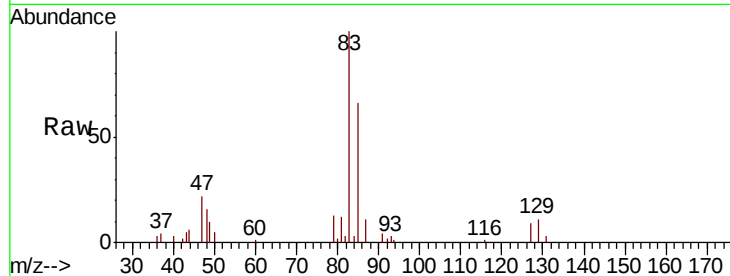
ClientSampleId :

VSTDIC005

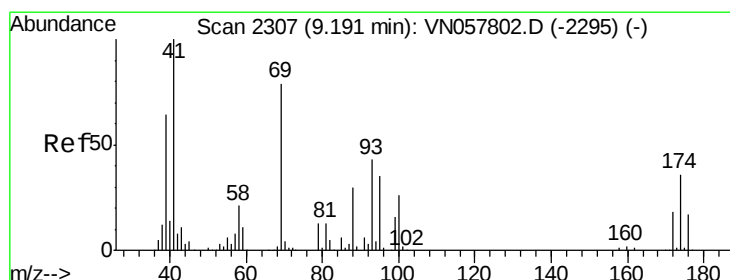
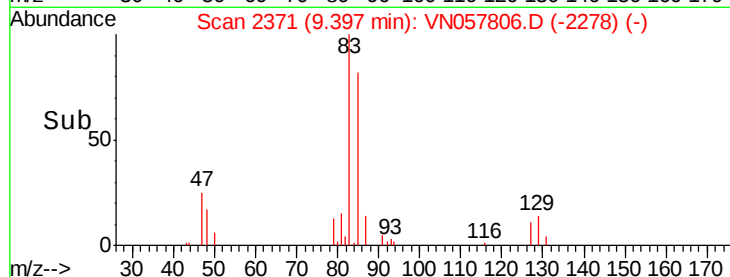
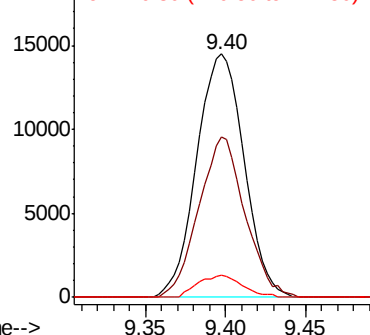
Tot Ion:	83	Resp:	29376
Ion Ratio	Lower	Upper	
83	100		
85	66.0	49.9	74.9
127	9.1	6.5	9.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN057806.D (-2278) (-)



#48

Methyl methacrylate

Concen: 3.705 ug/l

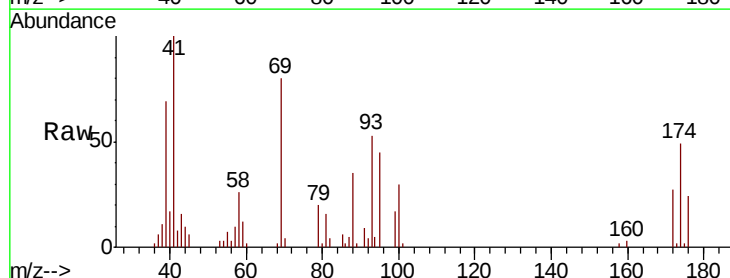
RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

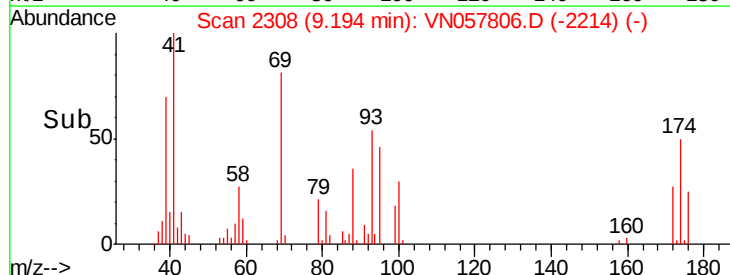
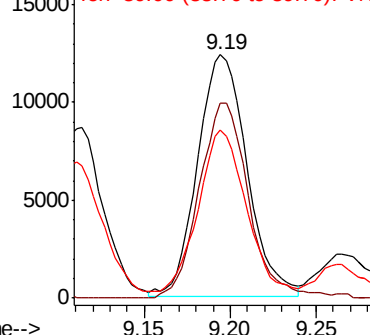
Lab File: VN057806.D

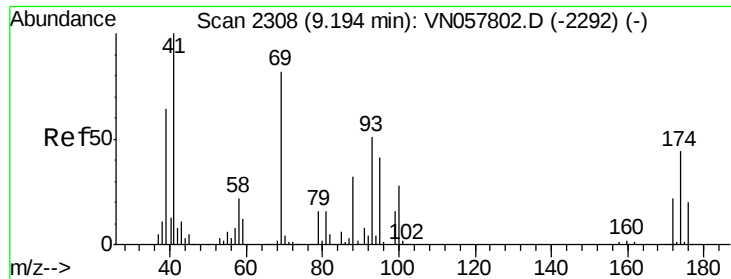
Acq: 9 Sep 2019 17:16

Tgt Ion:	41	Resp:	24701
Ion Ratio	Lower	Upper	
41	100		
69	80.7	62.7	94.1
39	66.1	52.7	79.1



Abundance Ion 41.00 (40.70 to 41.70): VN057806.D (-2214) (-)





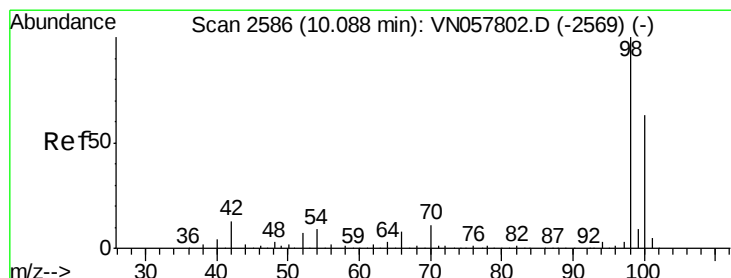
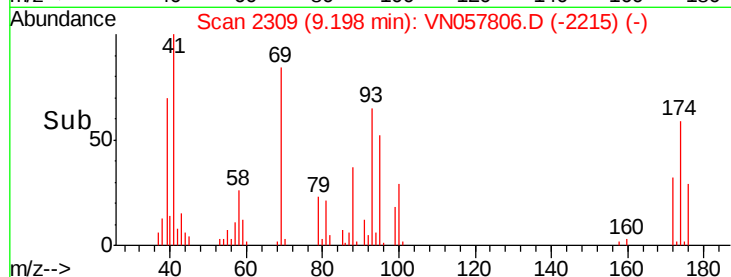
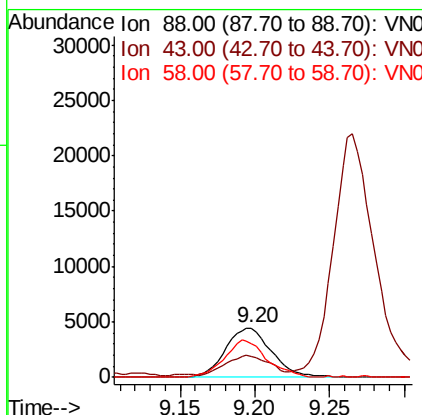
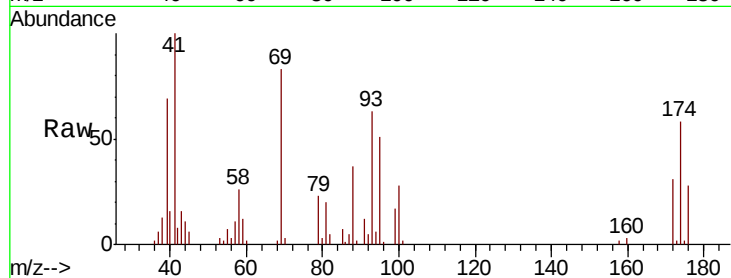
#49
 1,4-Dioxane
 Concen: 117.245 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN057806.D
 Acq: 9 Sep 2019 17:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	28.5	42.7
58	69.6	55.8	83.6

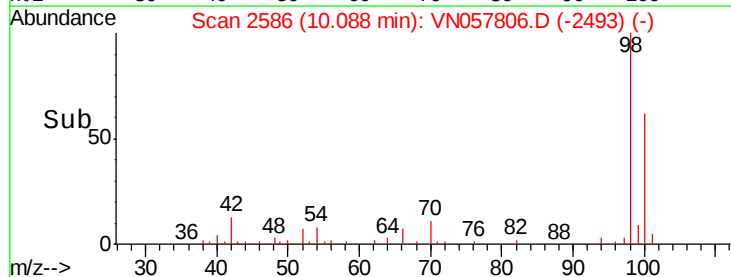
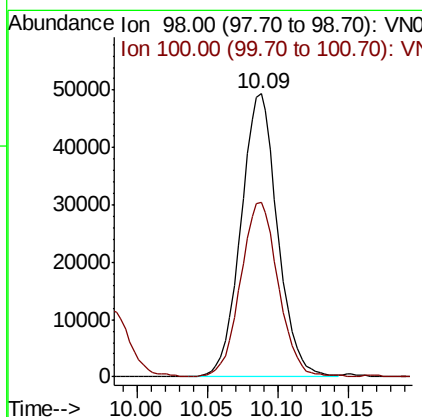
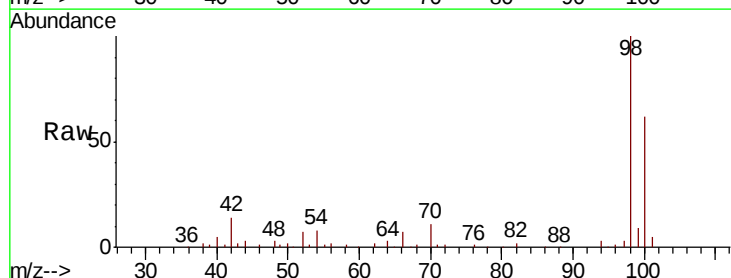
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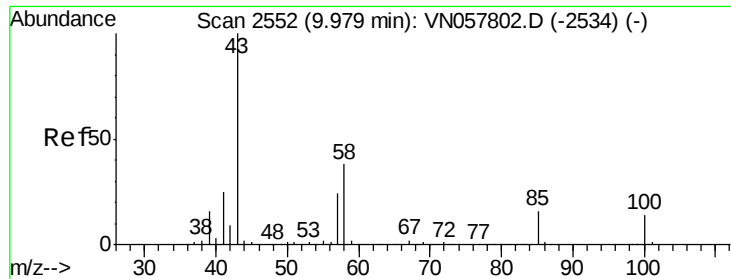
MMDadoda
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#50
 Toluene-d8
 Concen: 4.985 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN057806.D
 Acq: 9 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 21.635 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 157893

Ion Ratio Lower Upper

43 100

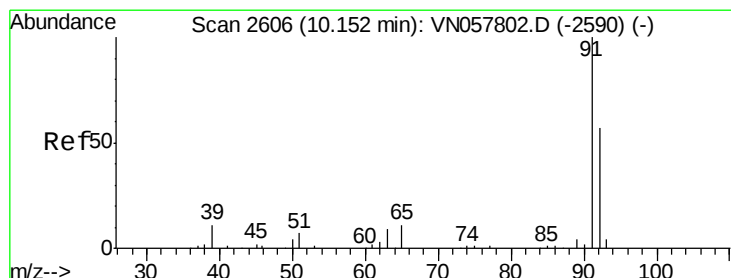
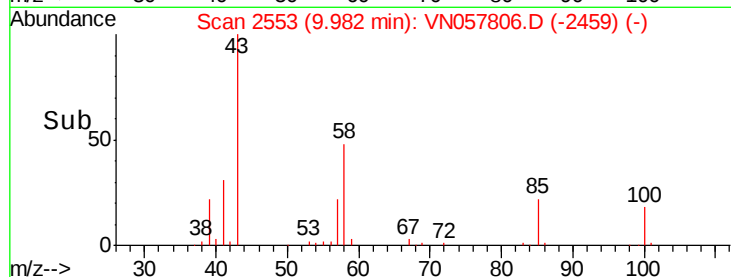
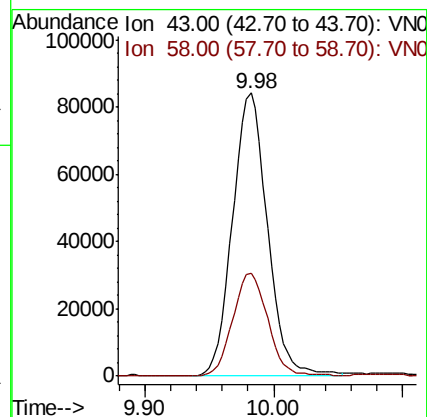
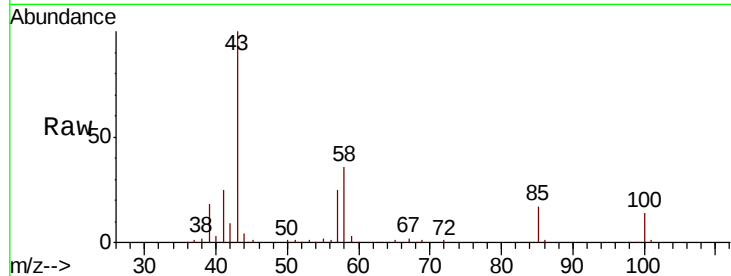
58 36.8 29.8 44.6

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 4.982 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057806.D

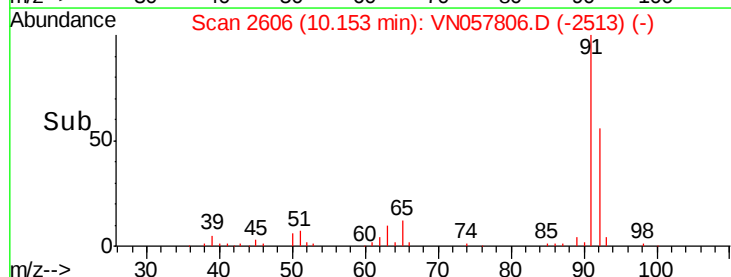
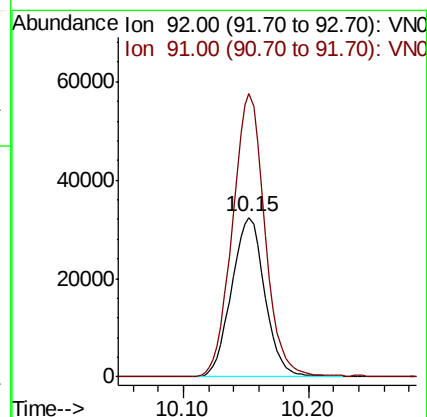
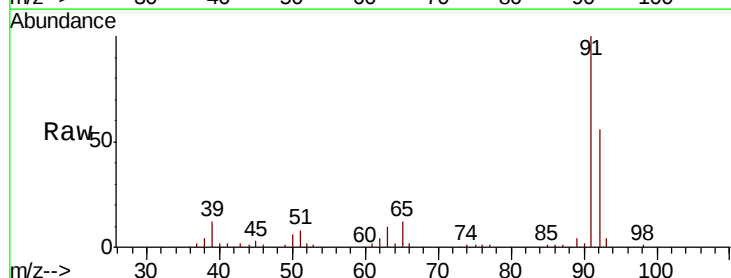
Acq: 9 Sep 2019 17:16

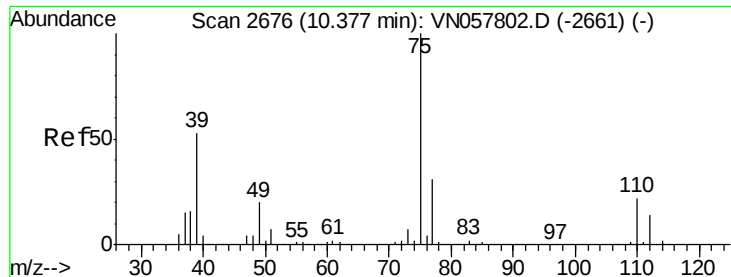
Tgt Ion: 92 Resp: 59543

Ion Ratio Lower Upper

92 100

91 173.2 141.0 211.6





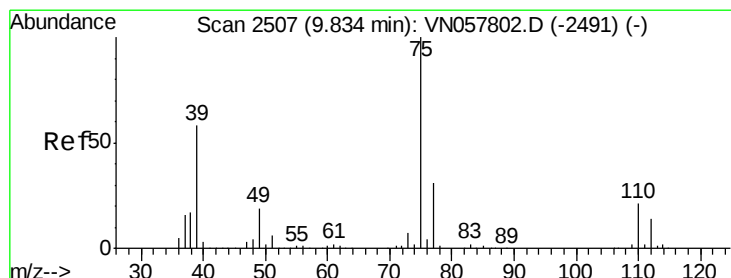
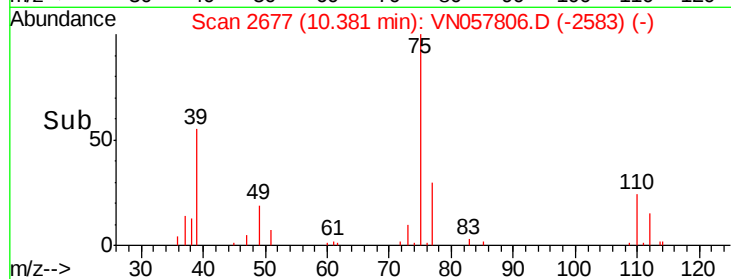
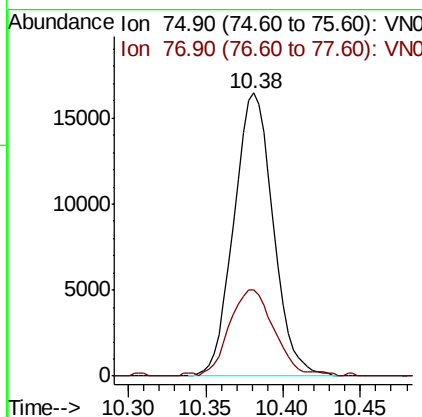
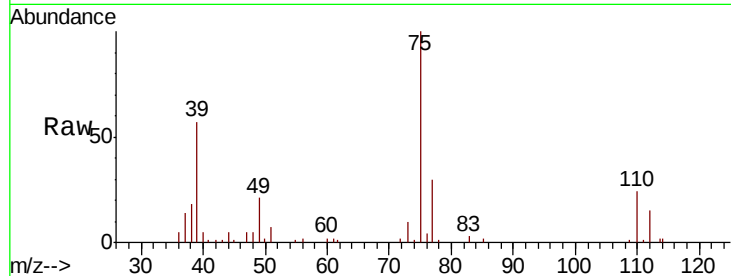
#53
t-1,3-Dichloropropene
Concen: 3.888 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 29100
Ion Ratio Lower Upper
75 100
77 30.5 24.5 36.7

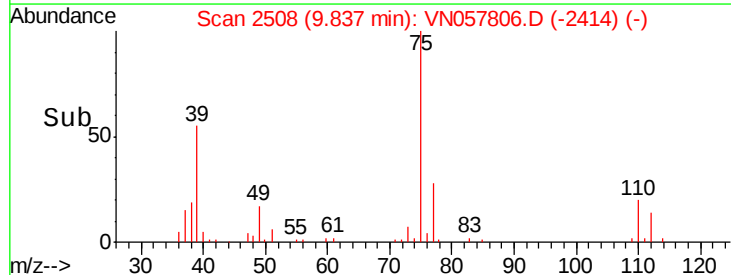
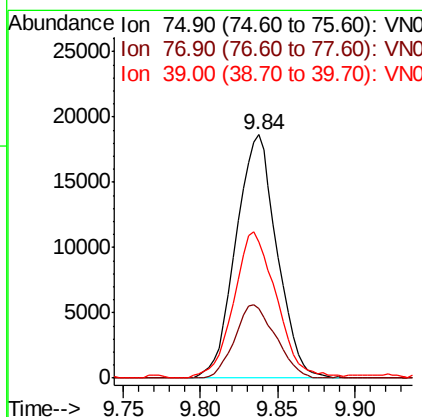
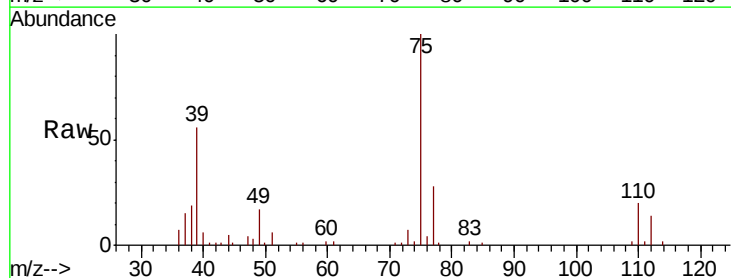
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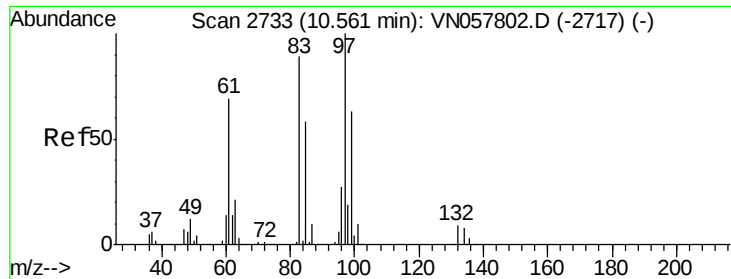
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 4.229 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Tgt Ion: 75 Resp: 34312
Ion Ratio Lower Upper
75 100
77 28.3 24.8 37.2
39 56.1 46.2 69.4





#55

1,1,2-Trichloroethane

Concen: 5.054 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 24646

Ion Ratio Lower Upper

97 100

83 86.7 70.8 106.2

85 57.4 46.0 69.0

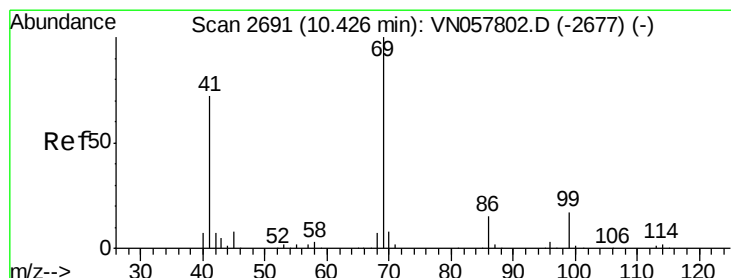
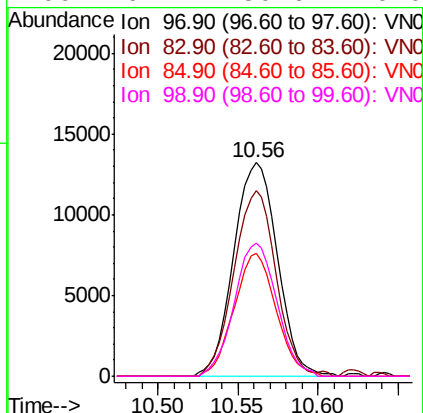
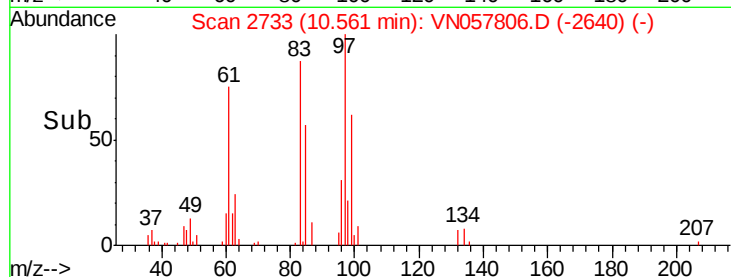
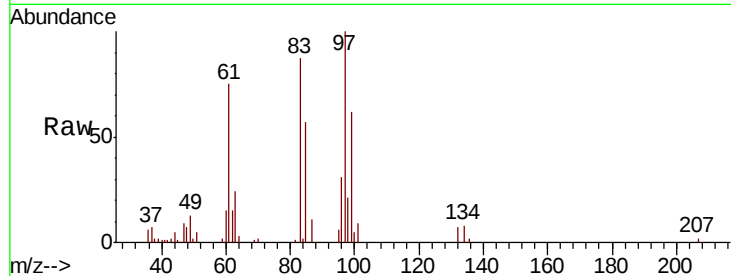
99 62.4 50.6 76.0

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#56

Ethyl methacrylate

Concen: 4.399 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

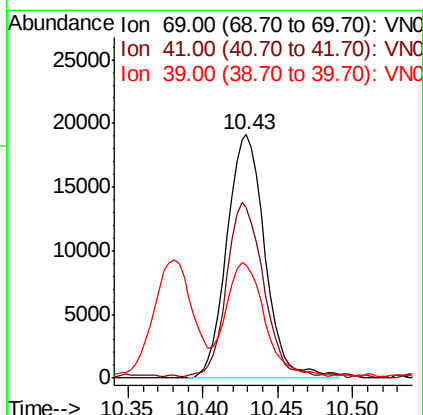
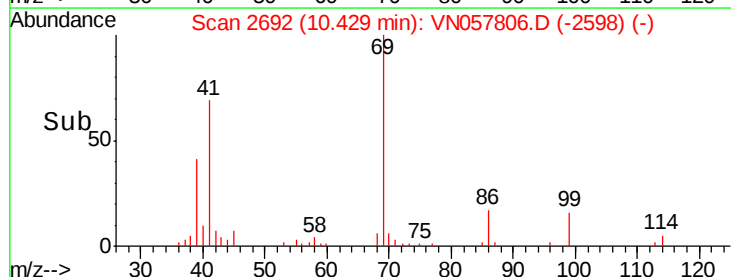
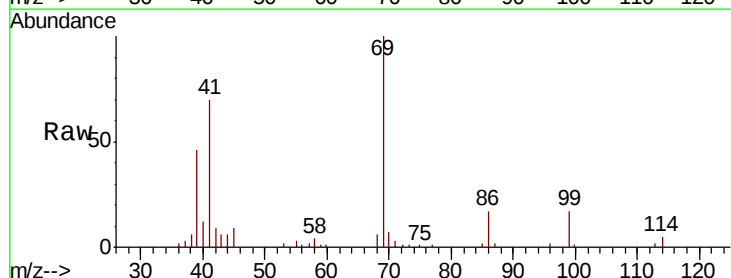
Tgt Ion: 69 Resp: 33958

Ion Ratio Lower Upper

69 100

41 68.6 56.7 85.1

39 47.9 36.3 54.5





#57

1,3-Dichloropropane

Concen: 4.797 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 76 Resp: 41814

Ion Ratio Lower Upper

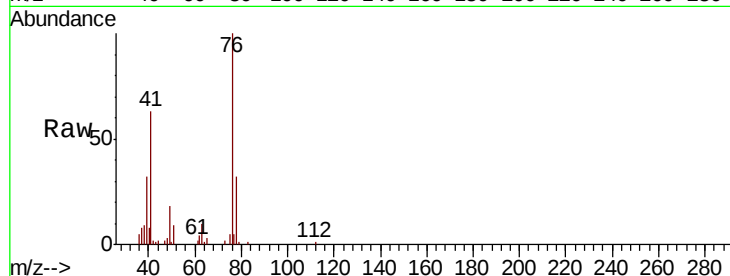
76 100

78 32.3 25.4 38.2

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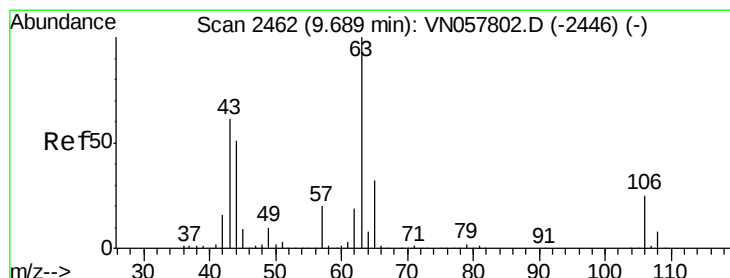
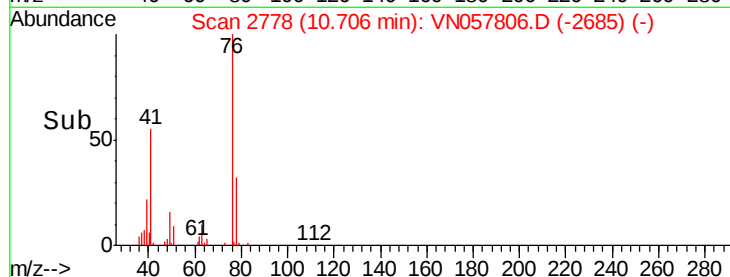
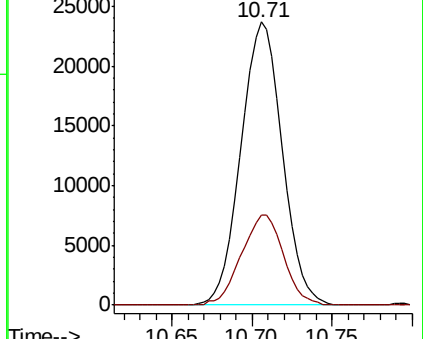
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 22.518 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057806.D

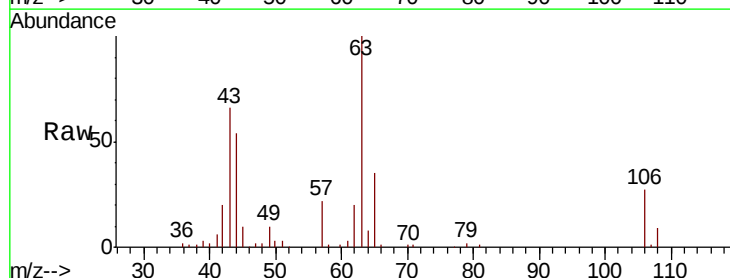
Acq: 9 Sep 2019 17:16

Tgt Ion: 63 Resp: 88298

Ion Ratio Lower Upper

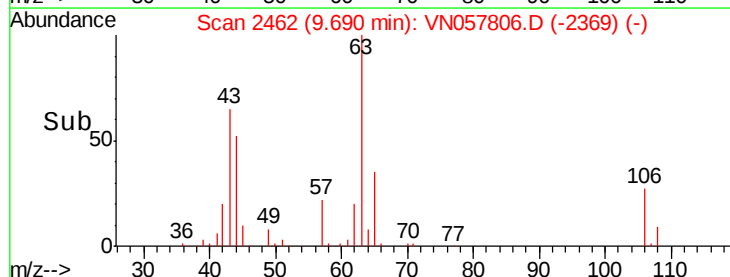
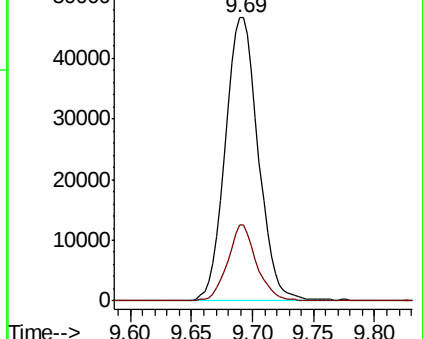
63 100

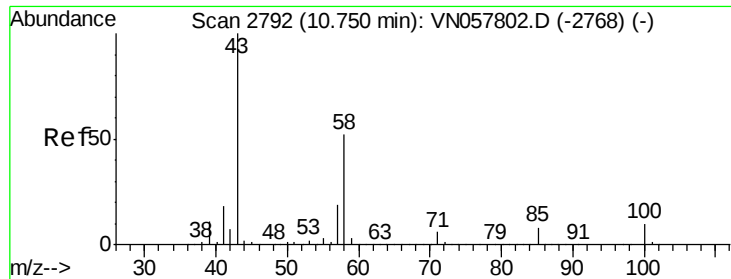
106 23.6 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





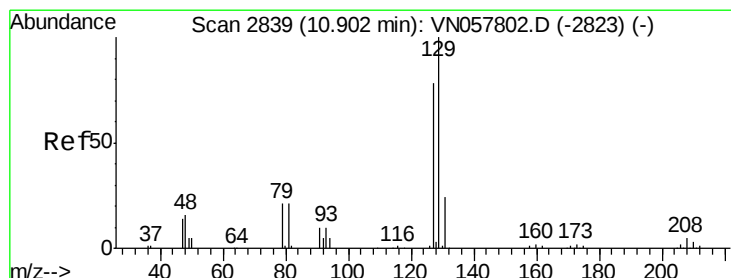
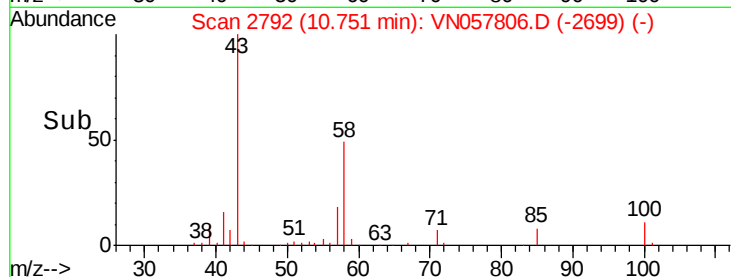
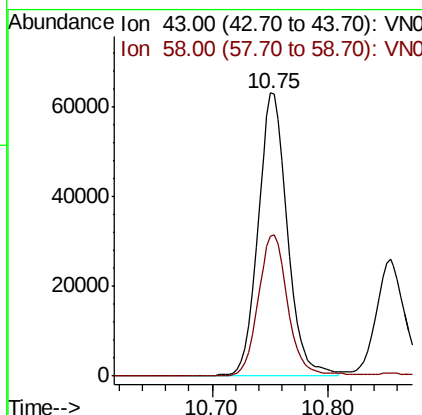
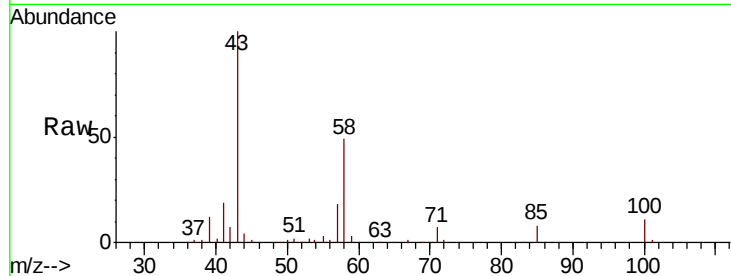
#59
2-Hexanone
Concen: 21.375 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 43 Resp: 110944
Ion Ratio Lower Upper
43 100
58 50.6 25.6 76.8

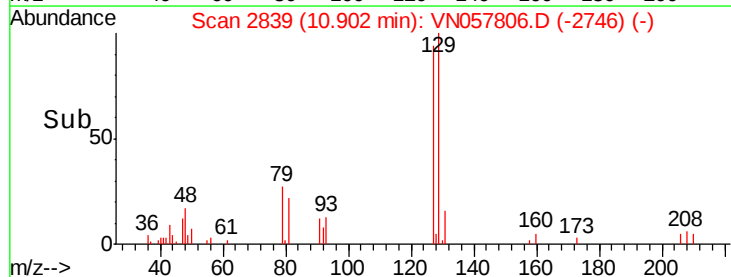
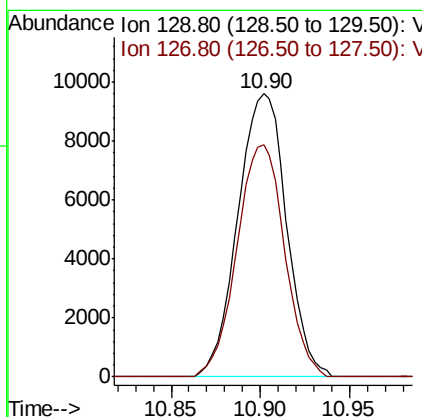
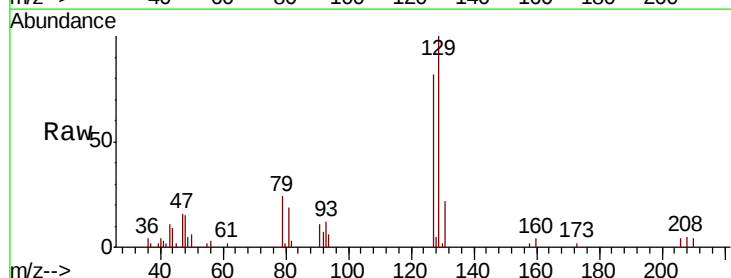
Manual Integrations
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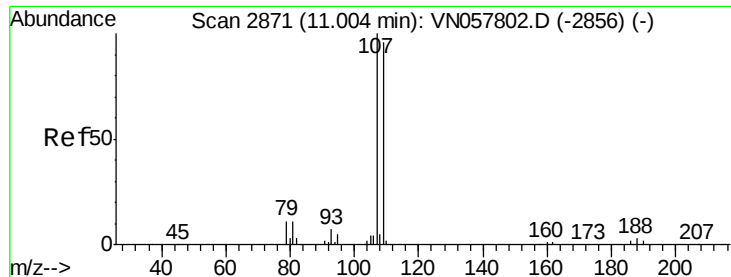
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#60
Dibromochloromethane
Concen: 3.888 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Tgt Ion: 129 Resp: 18267
Ion Ratio Lower Upper
129 100
127 80.2 38.6 116.0





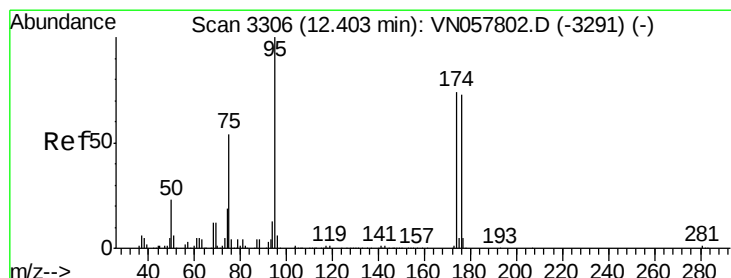
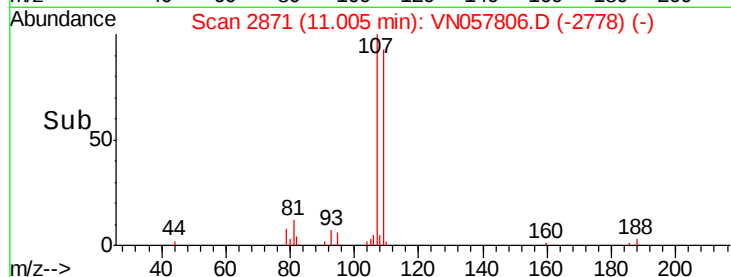
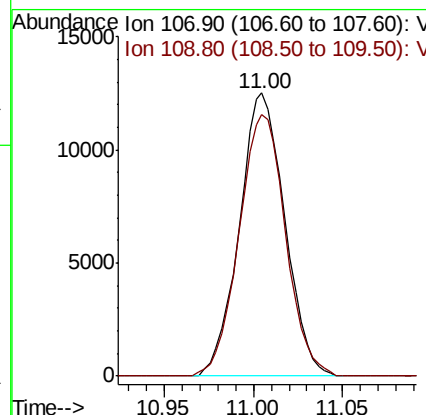
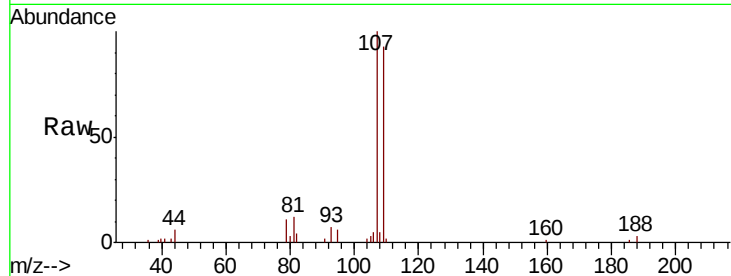
#61
 1,2-Dibromoethane
 Concen: 4.766 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057806.D
 Acq: 9 Sep 2019 17:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.3	112.9

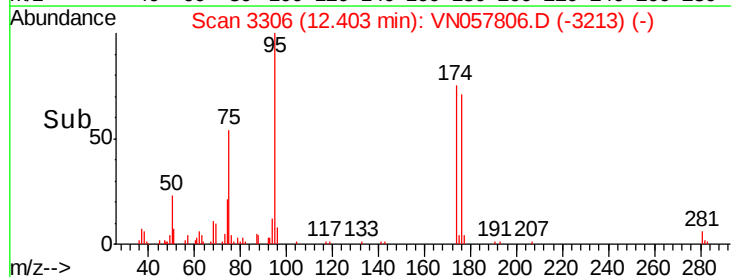
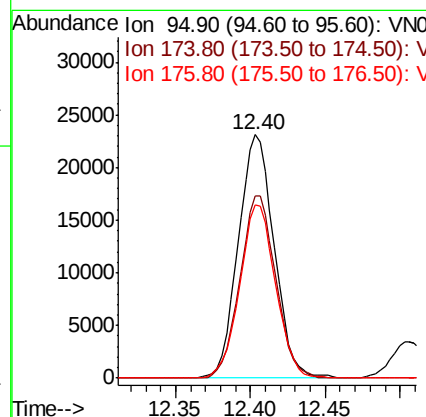
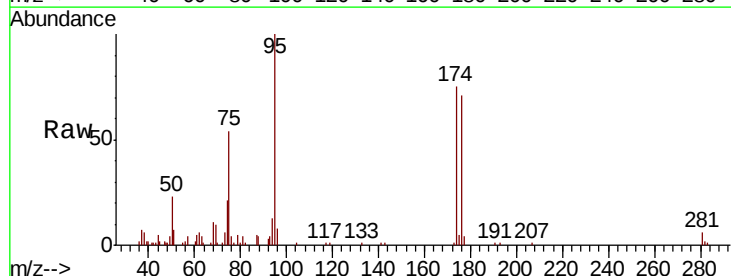
Manual Integrations
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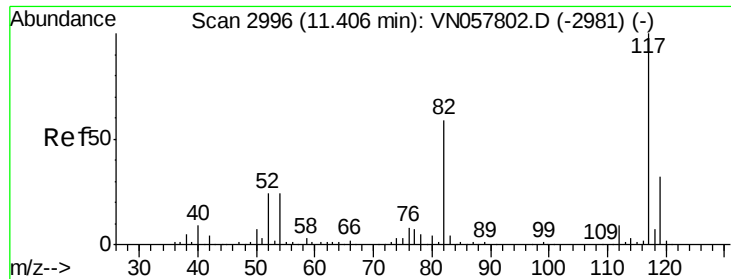
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#62
 4-Bromofluorobenzene
 Concen: 5.280 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057806.D
 Acq: 9 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	150.2
176	71.3	0.0	146.0





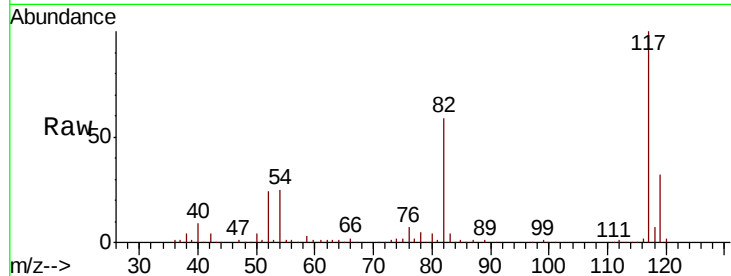
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.2	70.8
119	31.9	25.3	37.9

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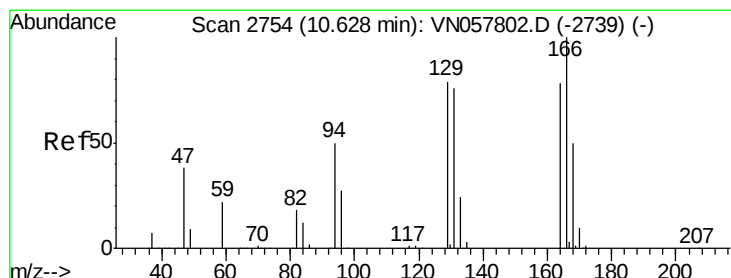
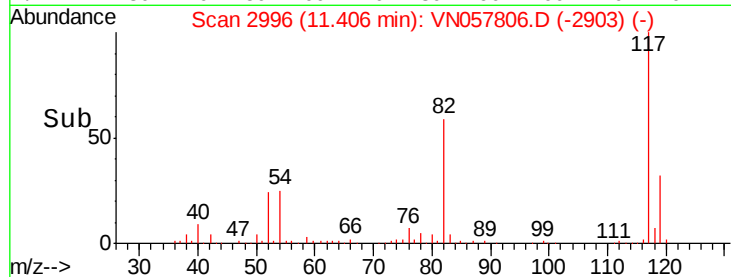
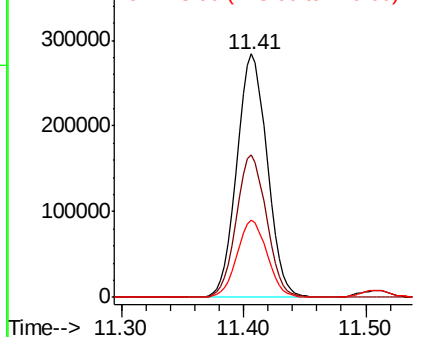


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 5.167 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	139.6	102.2	153.2
129	111.7	80.8	121.2
131	96.5	77.4	116.2

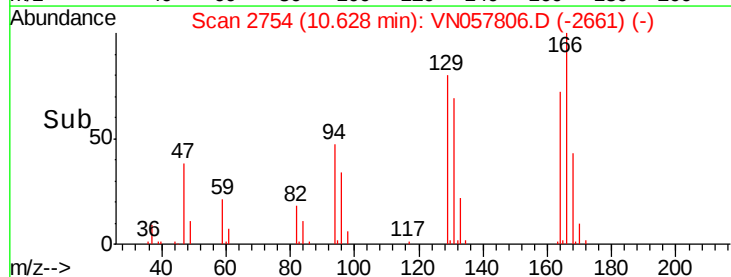
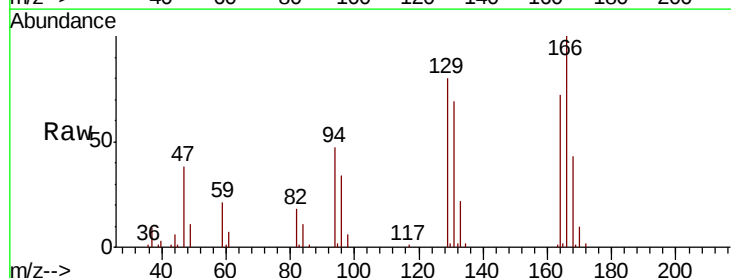
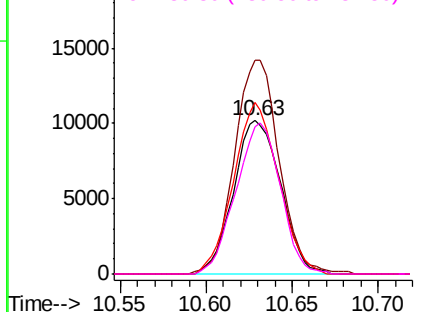
Abundance

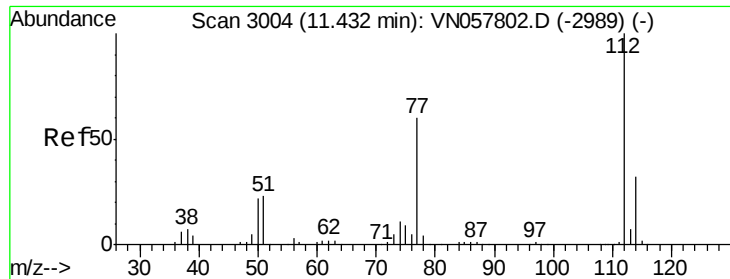
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 4.985 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 63650

Ion Ratio Lower Upper

112 100

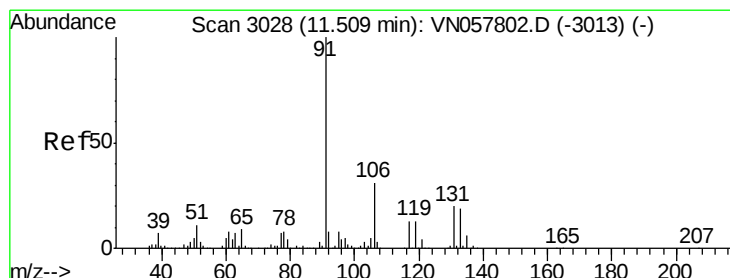
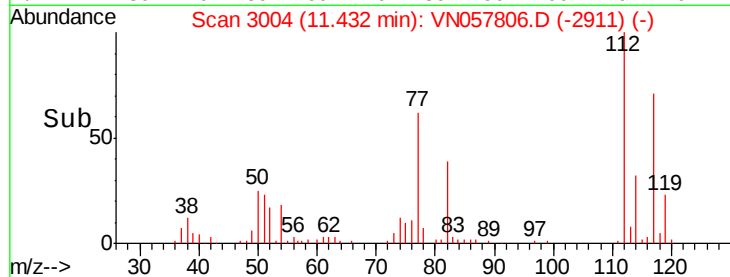
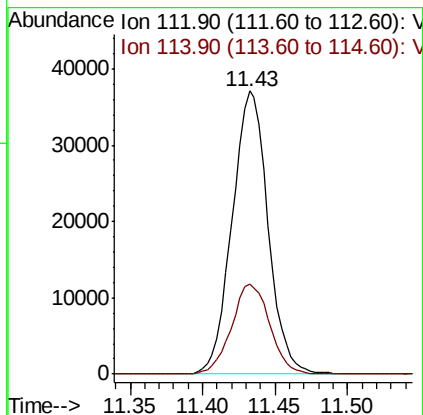
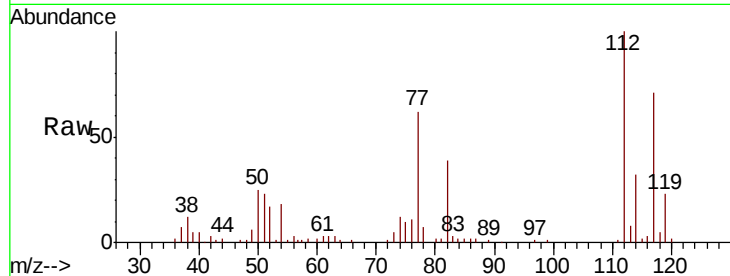
114 31.7 25.2 37.8

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#66

1,1,1,2-Tetrachloroethane

Concen: 4.487 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

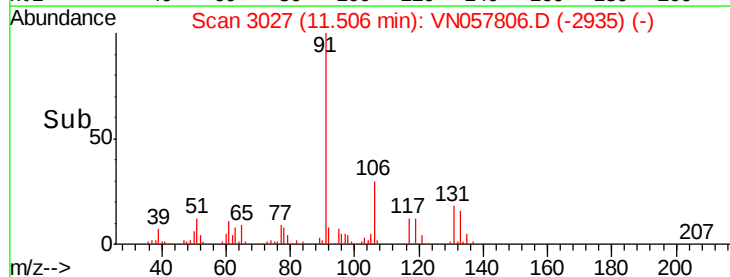
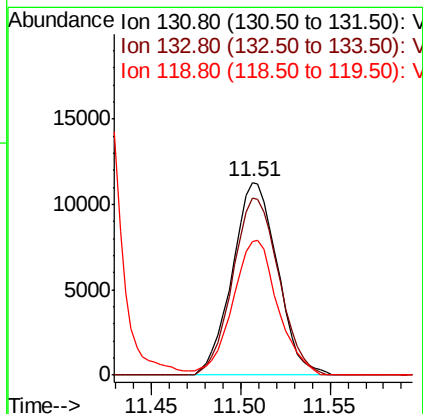
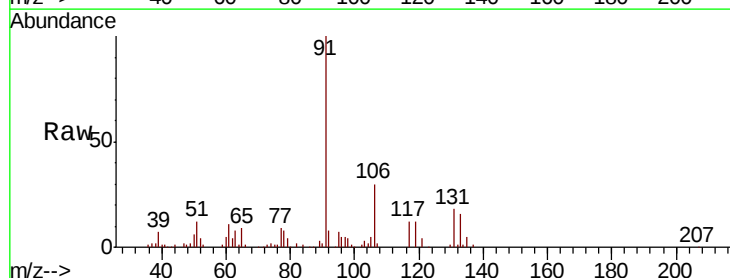
Tgt Ion:131 Resp: 19939

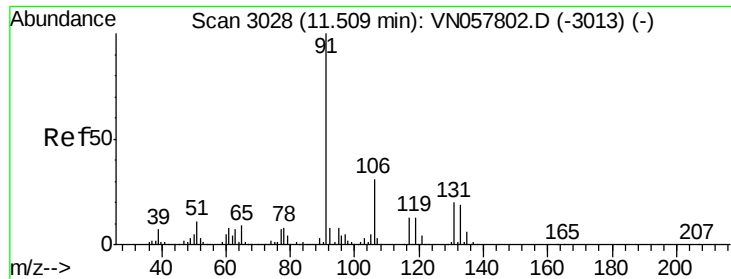
Ion Ratio Lower Upper

131 100

133 94.0 47.1 141.3

119 70.1 33.3 99.8





#67

Ethyl Benzene

Concen: 4.813 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 116578

Ion Ratio Lower Upper

91 100

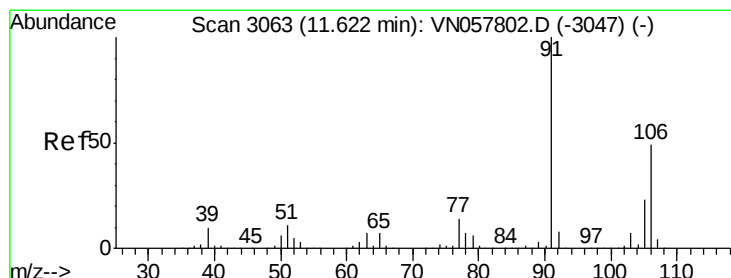
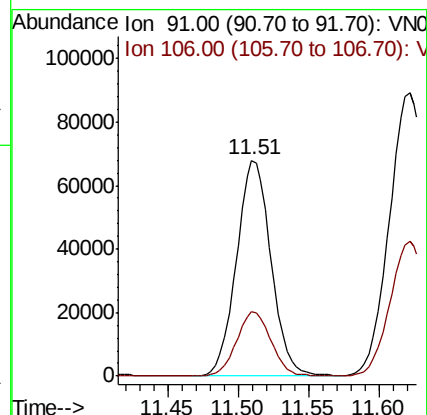
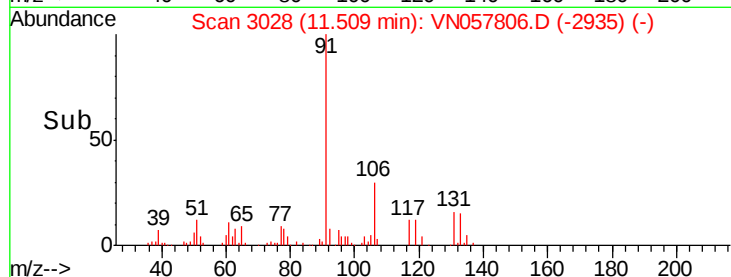
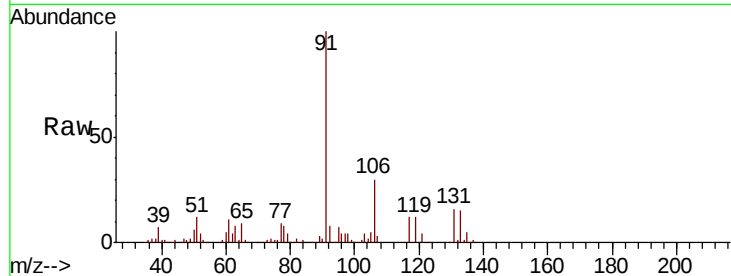
106 29.7 24.4 36.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 9.720 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN057806.D

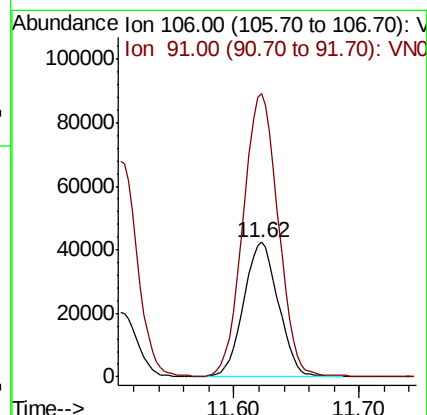
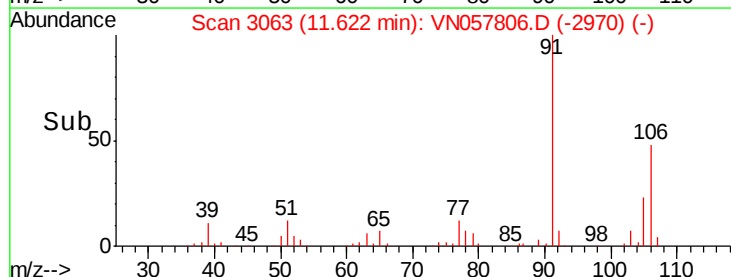
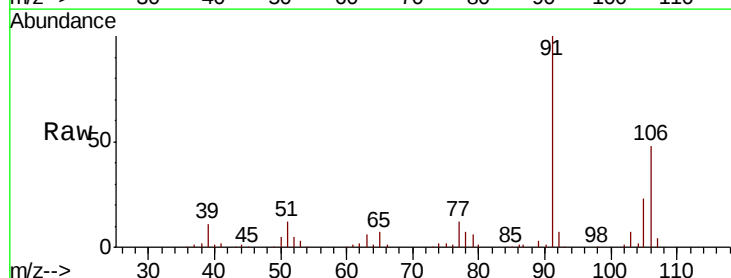
Acq: 9 Sep 2019 17:16

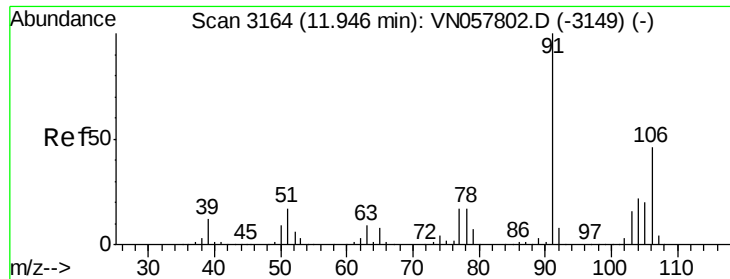
Tgt Ion: 106 Resp: 81891

Ion Ratio Lower Upper

106 100

91 210.4 165.8 248.6





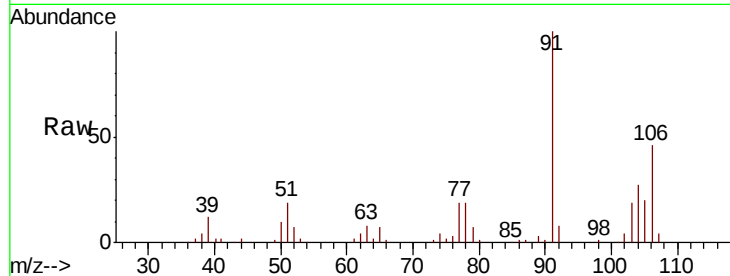
#69
o-Xylene
Concen: 4.821 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

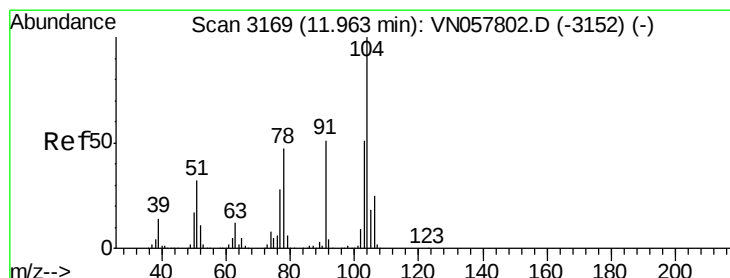
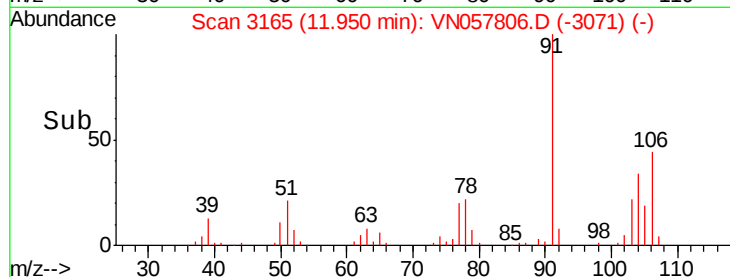
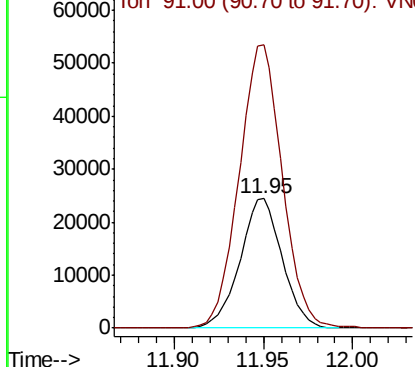
Tot Ion:106 Resp: 40399
Ion Ratio Lower Upper
106 100
91 223.7 108.7 326.1

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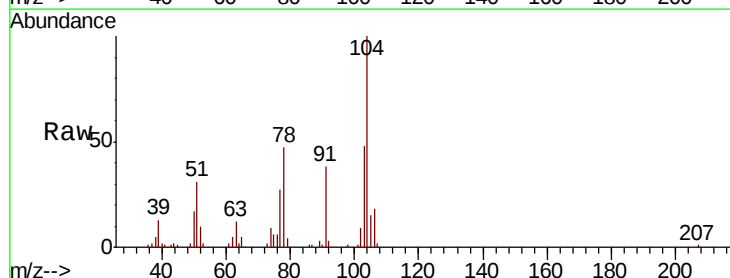


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

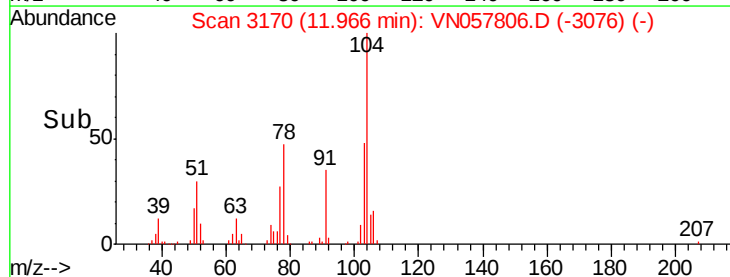
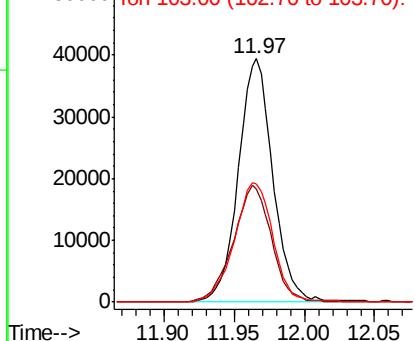


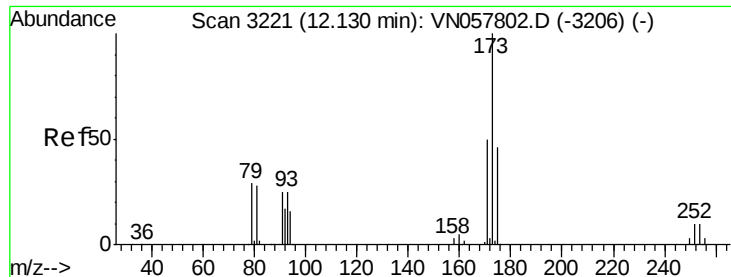
#70
Styrene
Concen: 4.650 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Tgt Ion:104 Resp: 67619
Ion Ratio Lower Upper
104 100
78 52.7 41.3 61.9
103 54.2 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 3.793 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Instrument :

MSVOA_N

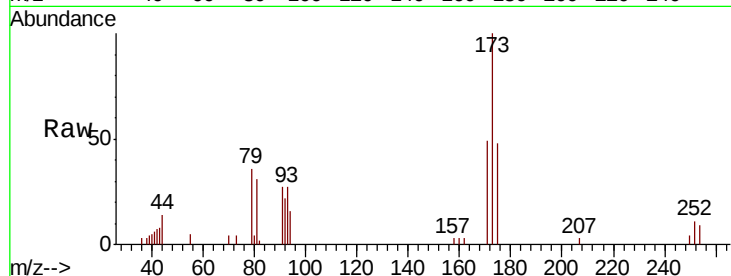
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	23.5	70.6
254	0.0	0.1	0.1#

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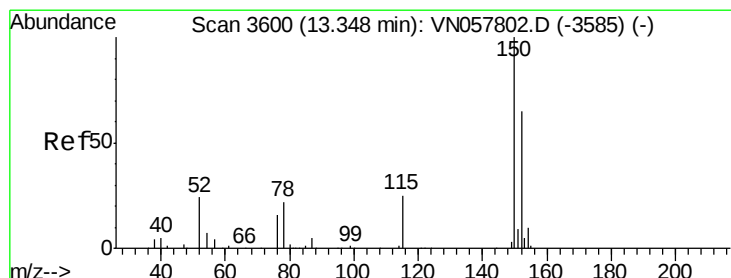
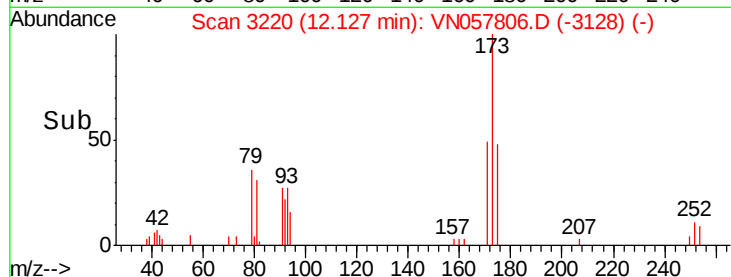
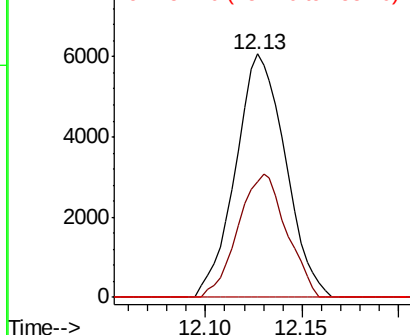


Abundance

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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

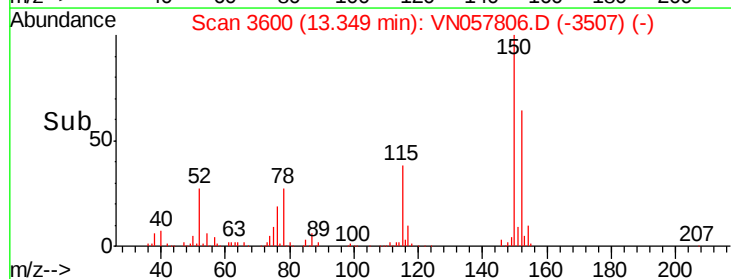
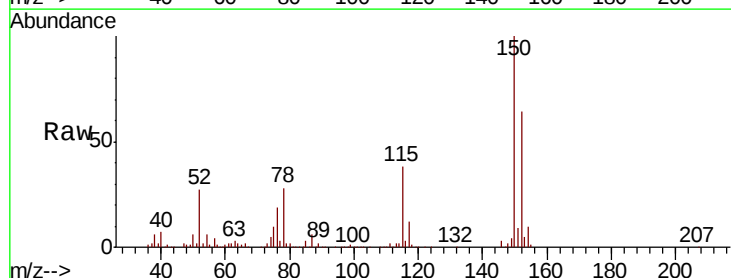
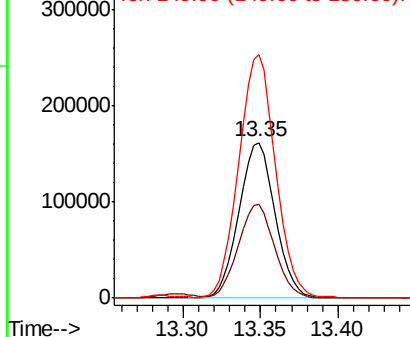
Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.3	91.0
150	157.8	0.0	352.4

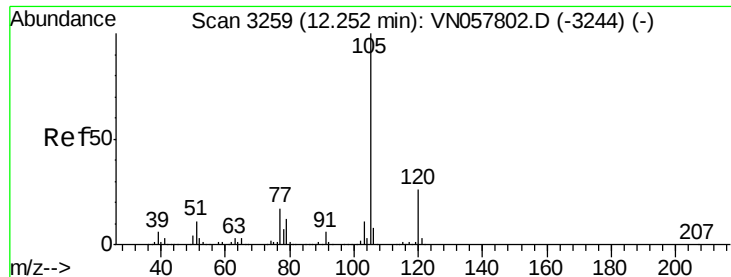
Abundance

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: 4.840 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 111029

Ion Ratio Lower Upper

105 100

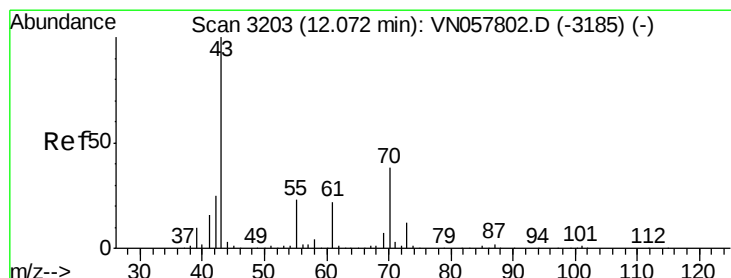
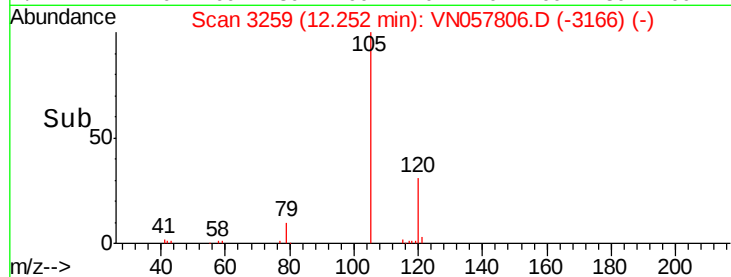
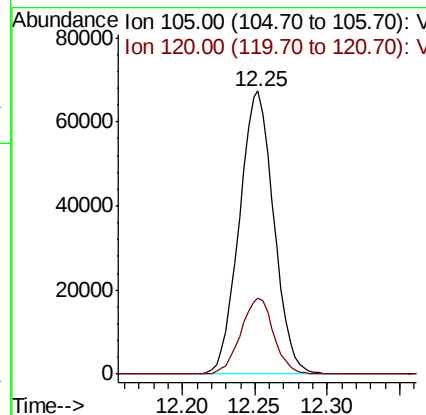
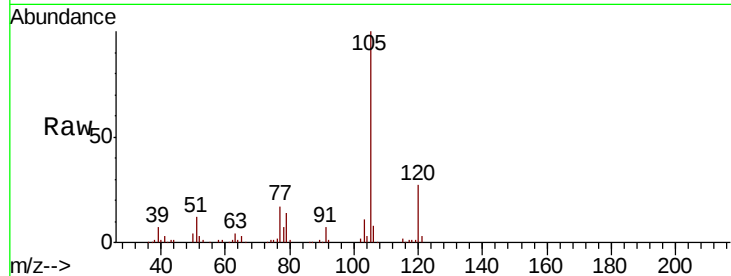
120 25.6 12.8 38.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 3.753 ug/l m

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Tgt Ion: 43 Resp: 42213

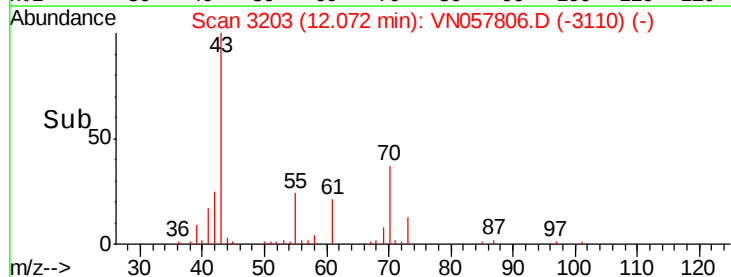
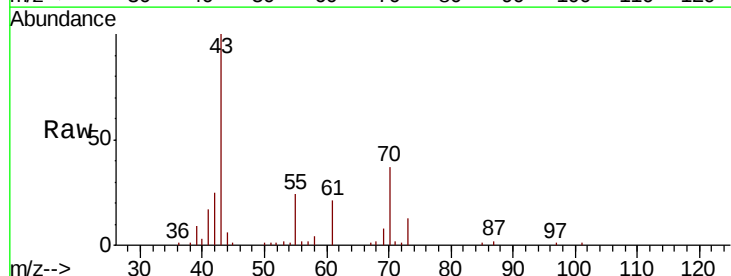
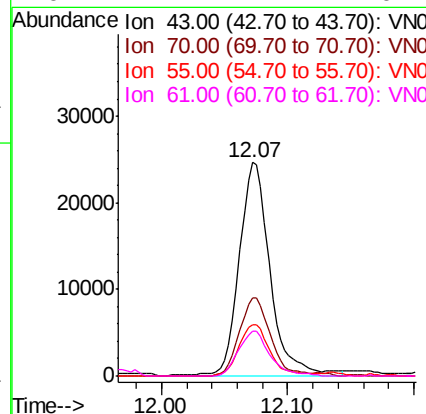
Ion Ratio Lower Upper

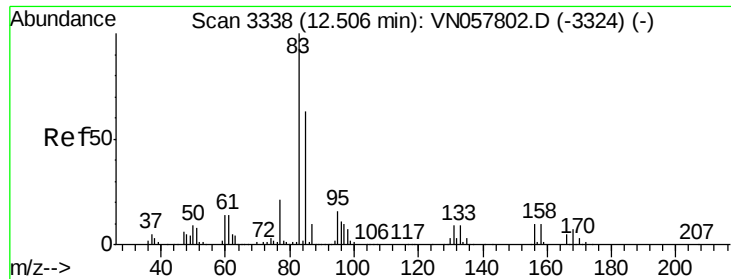
43 100

70 36.5 30.6 45.8

55 24.2 18.6 27.8

61 21.2 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 4.979 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Instrument :

MSVOA_N

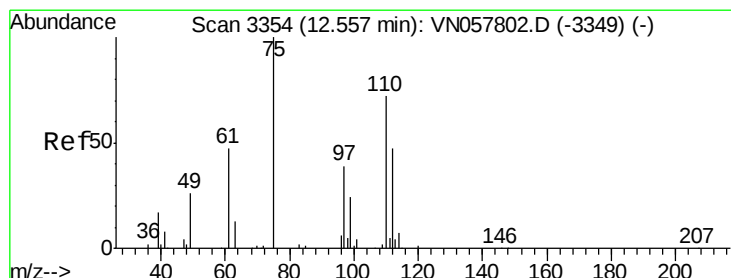
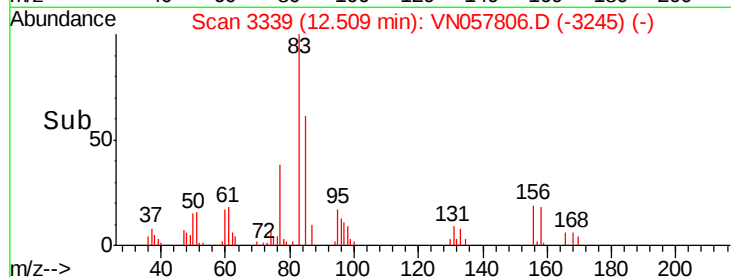
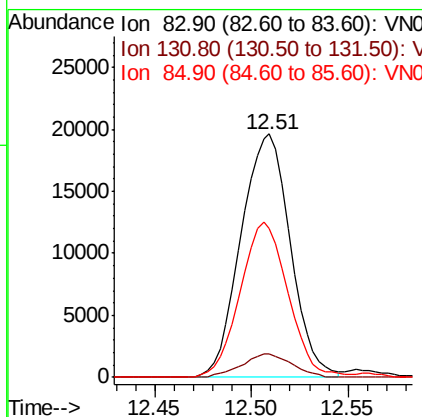
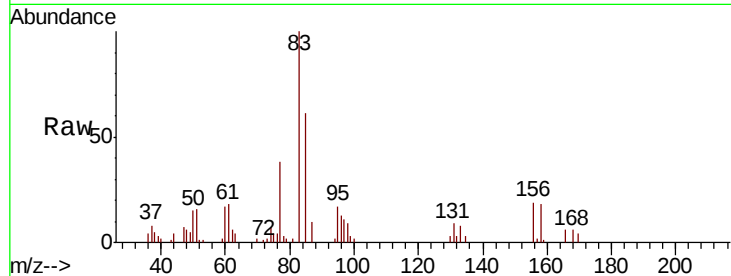
ClientSampled :

VSTDIC005

Tot Ion:	83	Resp:	34825
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.8	14.3
85	61.9	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.210 ug/l m

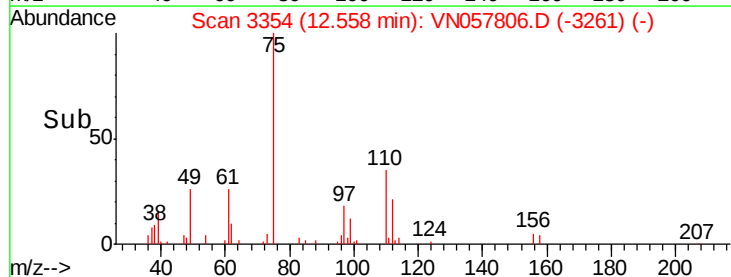
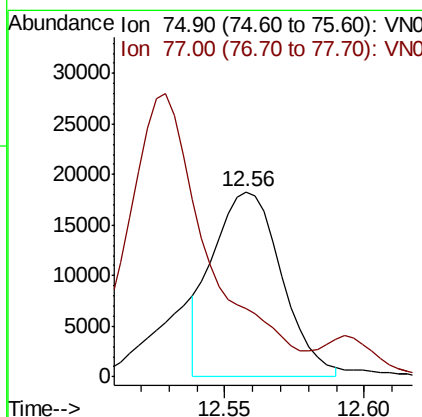
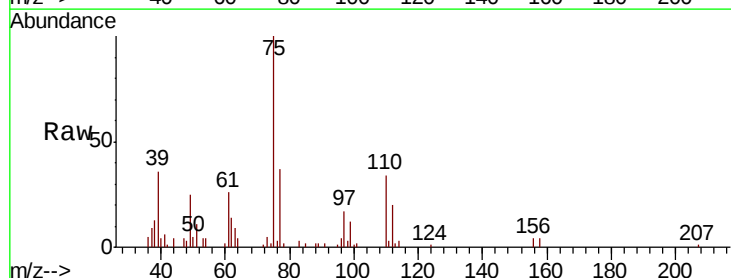
RT: 12.56 min Scan# 3354

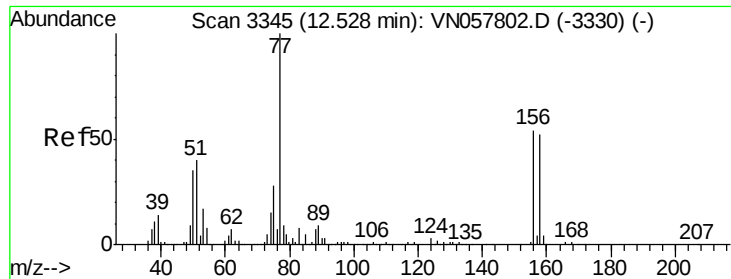
Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Tgt Ion:	75	Resp:	31437
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.282 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Instrument :

MSVOA_N

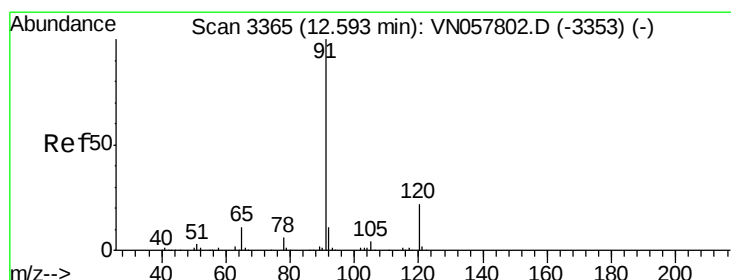
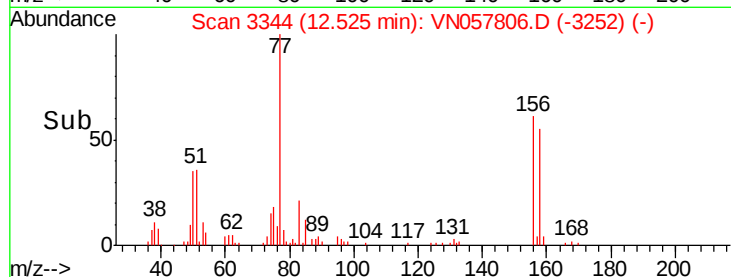
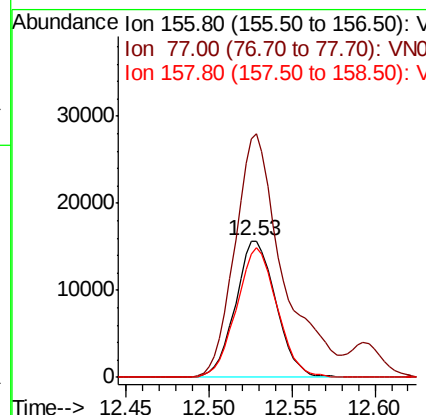
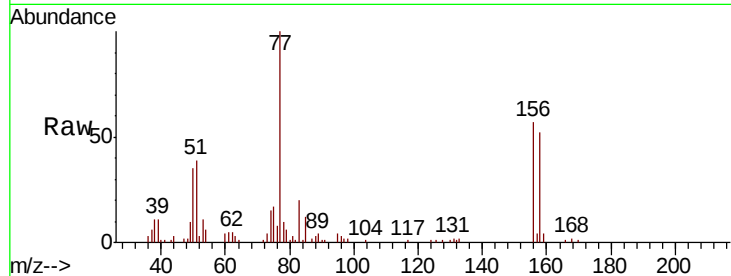
ClientSampleId :

VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	212.4	113.7	341.1	
158	95.3	48.5	145.6	

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#78

n-propylbenzene

Concen: 4.654 ug/l

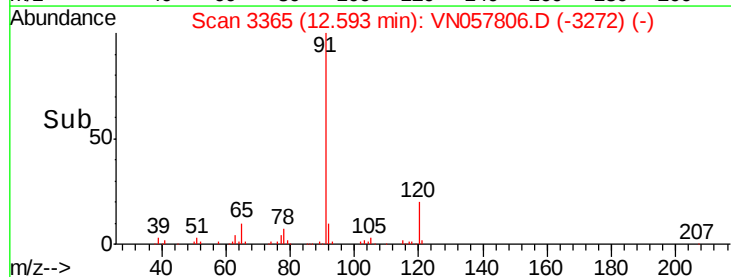
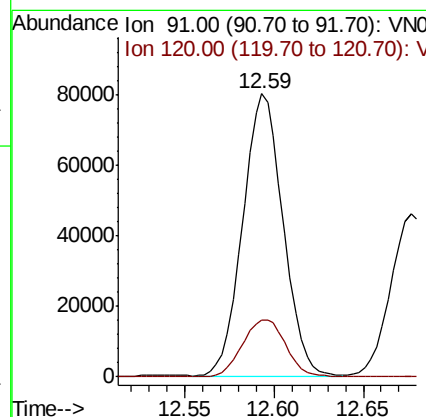
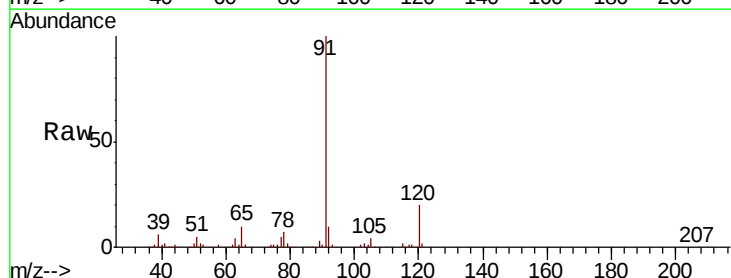
RT: 12.59 min Scan# 3365

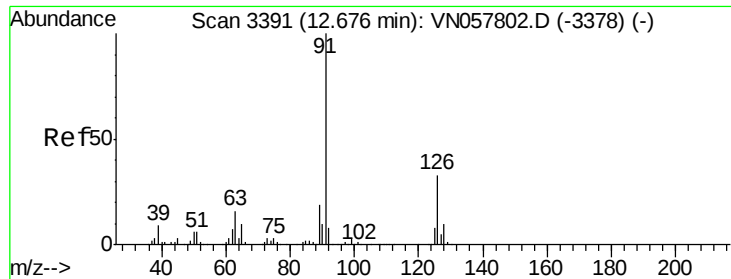
Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.9	11.1	33.1	





#79

2-Chlorotoluene

Concen: 4.648 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 76875

Ion Ratio Lower Upper

91 100

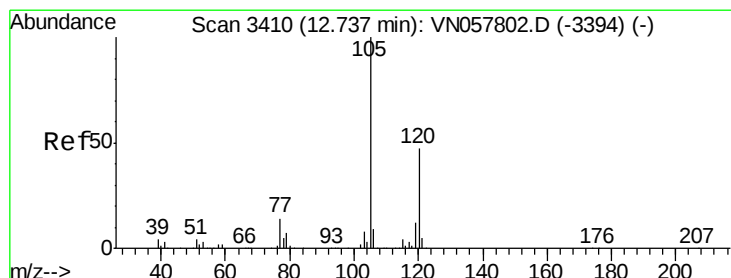
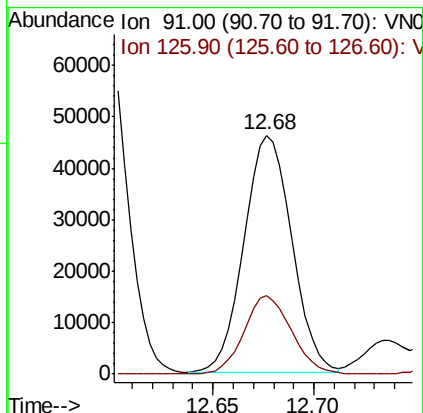
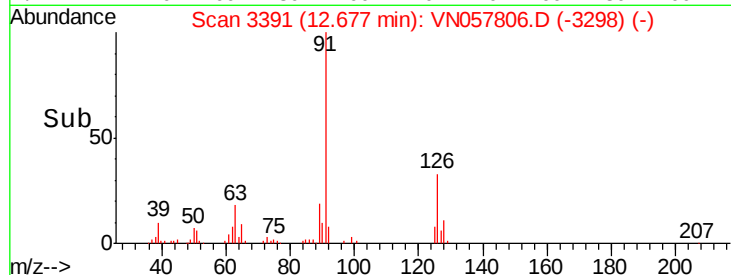
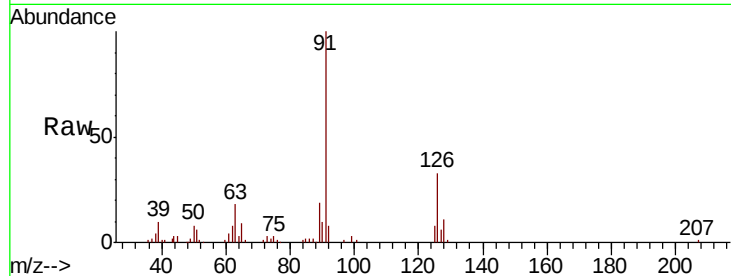
126 32.8 16.4 49.2

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#80

1,3,5-Trimethylbenzene

Concen: 4.612 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057806.D

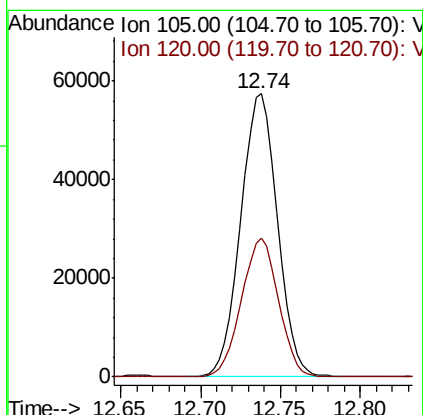
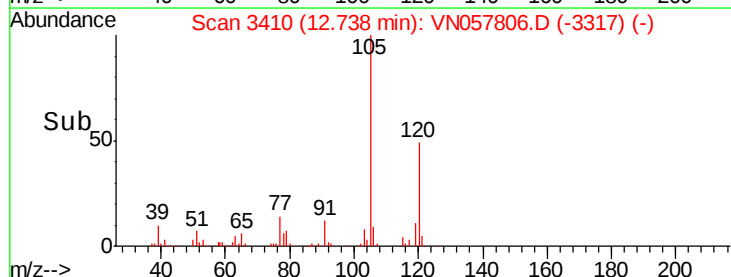
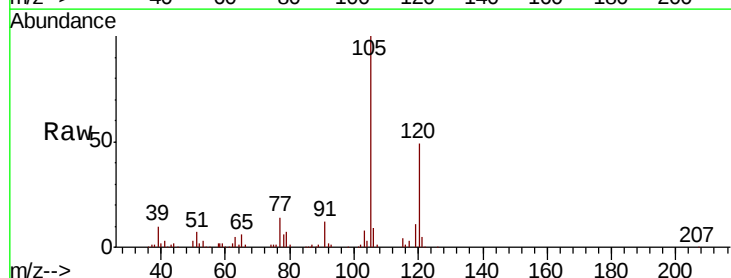
Acq: 9 Sep 2019 17:16

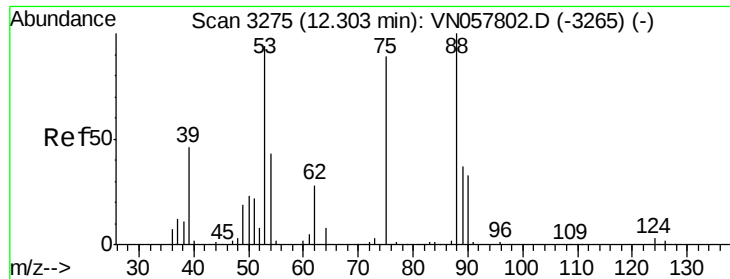
Tgt Ion: 105 Resp: 90029

Ion Ratio Lower Upper

105 100

120 49.5 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 3.252 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Instrument :

MSVOA_N

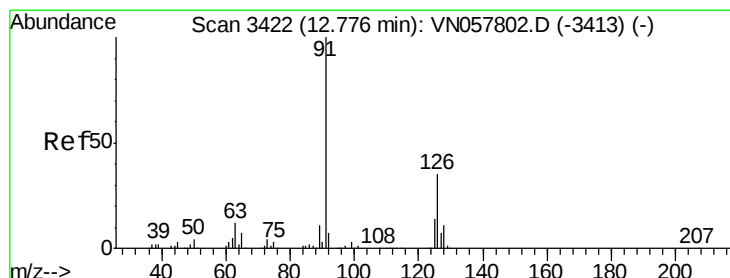
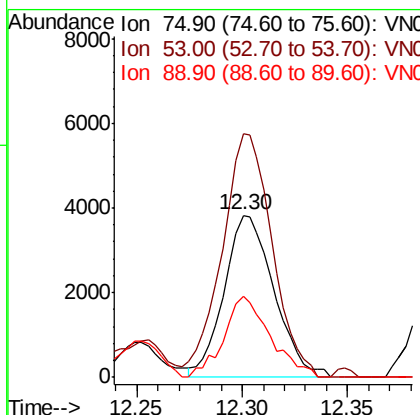
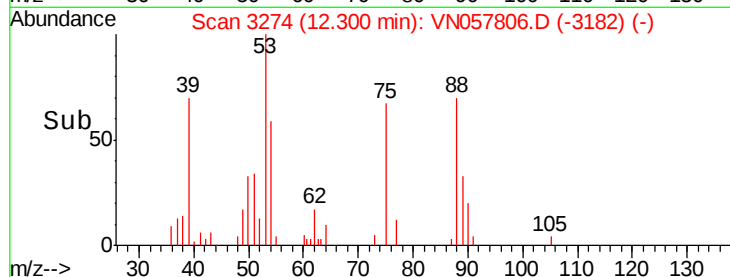
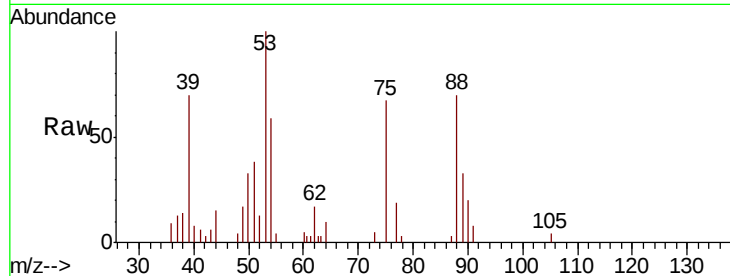
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	150.9	88.4	132.6#
89	46.4	35.3	52.9

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#82

4-Chlorotoluene

Concen: 4.622 ug/l

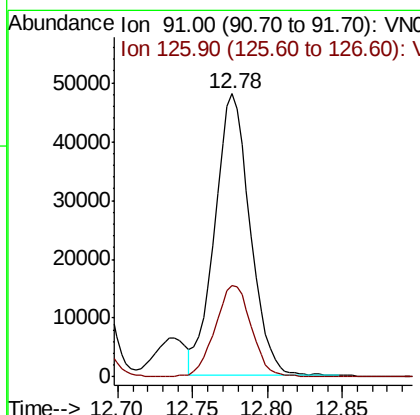
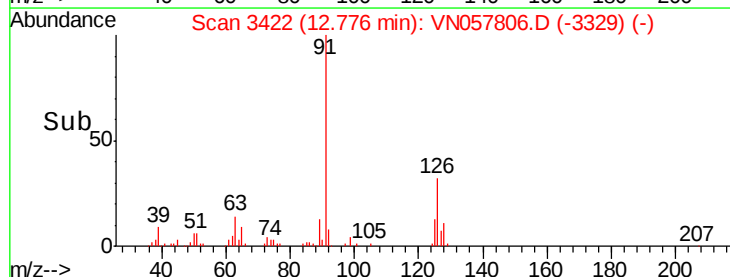
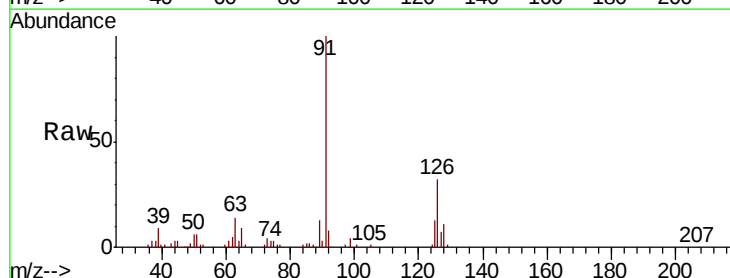
RT: 12.78 min Scan# 3422

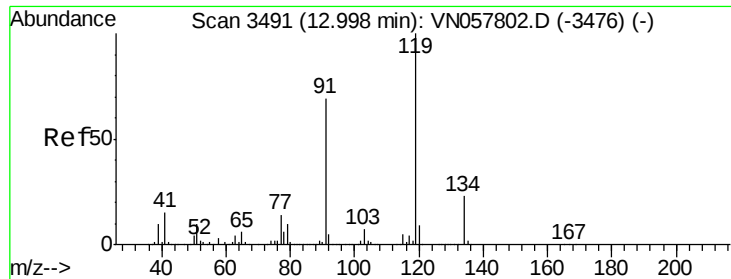
Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.0	48.0





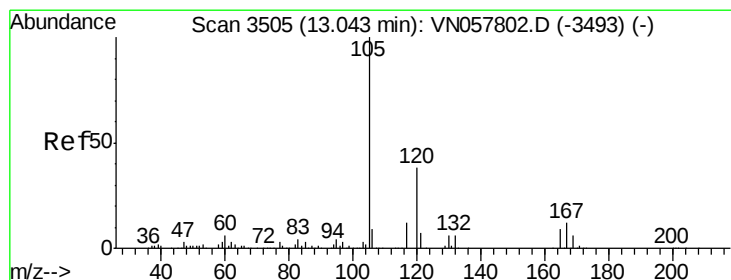
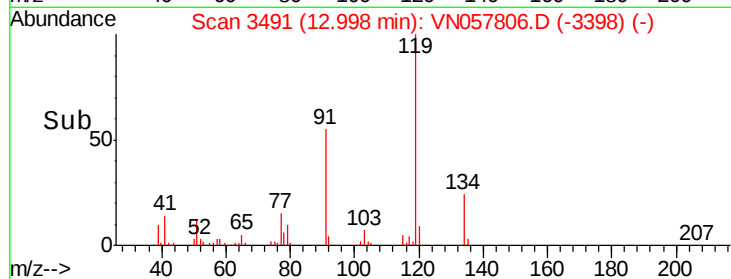
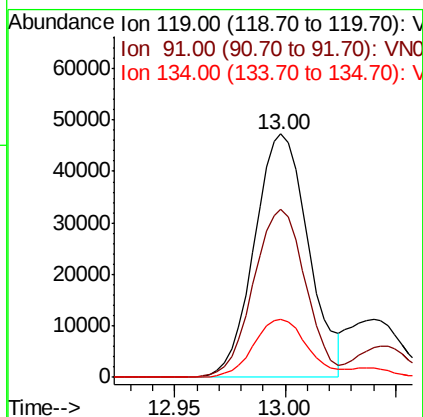
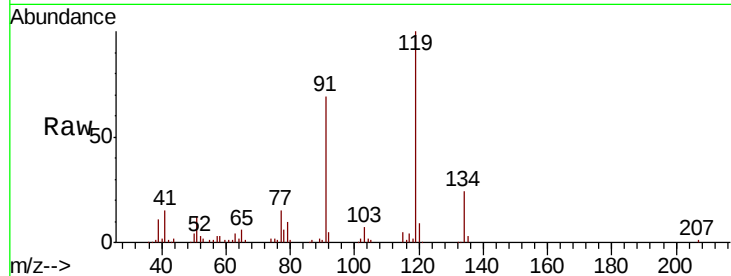
#83
tert-Butylbenzene
Concen: 4.826 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.7	33.6	100.8
134	23.9	11.7	35.0

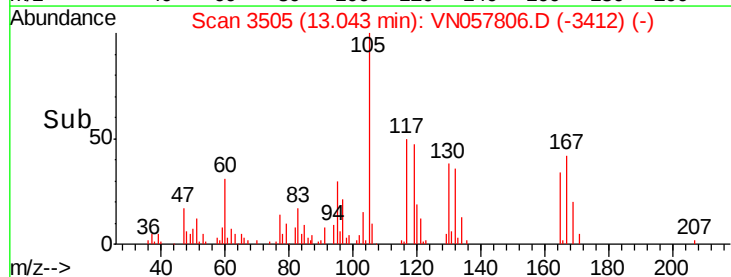
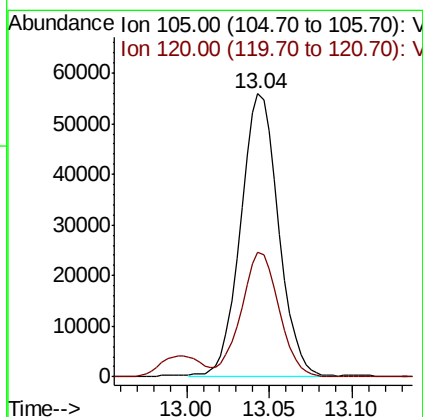
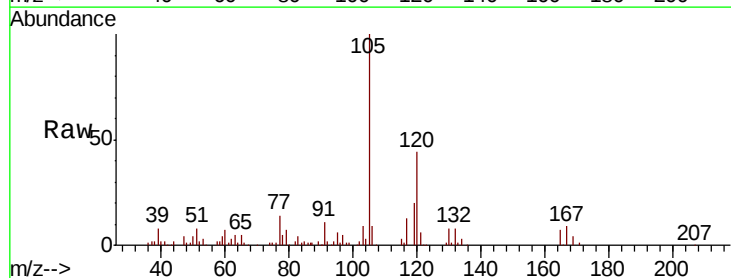
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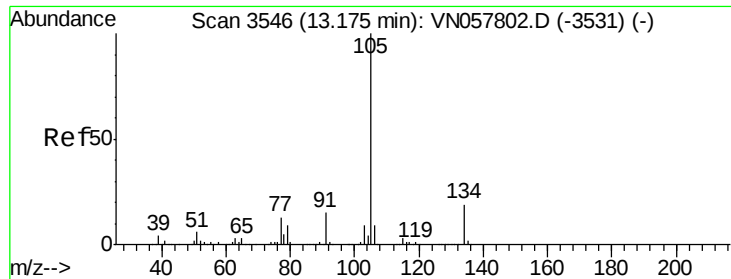
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#84
1,2,4-Trimethylbenzene
Concen: 4.552 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057806.D
Acq: 9 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.2





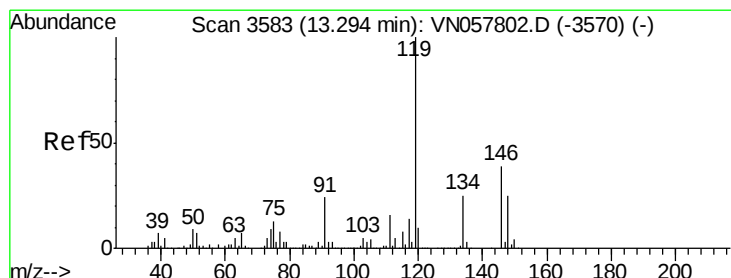
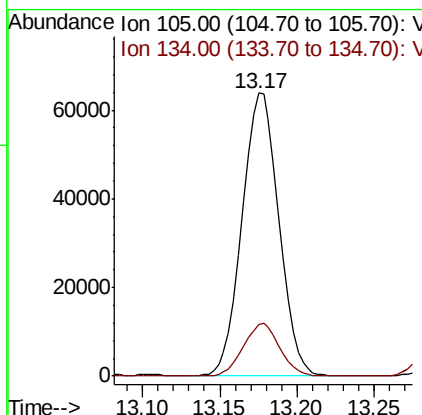
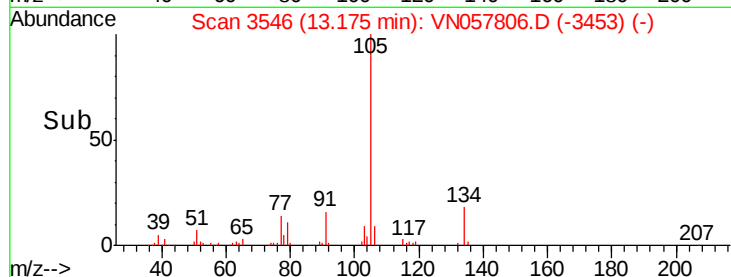
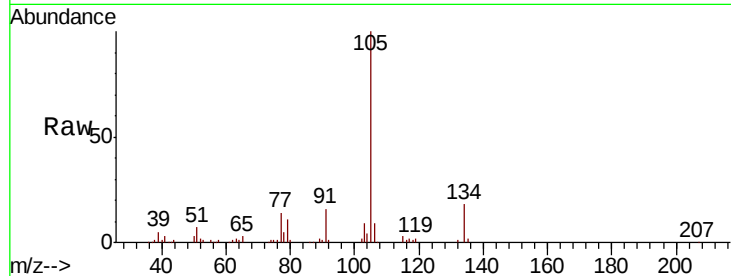
#85
 sec-Butylbenzene
 Concen: 4.652 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057806.D
 Acq: 9 Sep 2019 17:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
105	100	105893		
134	18.3	9.6	28.6	

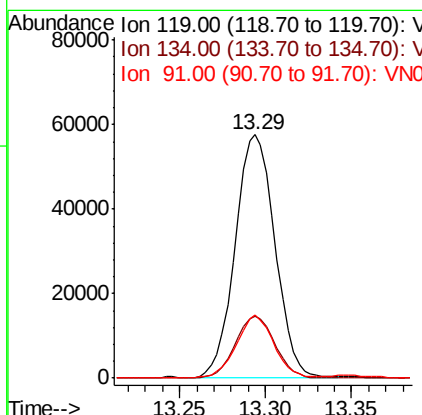
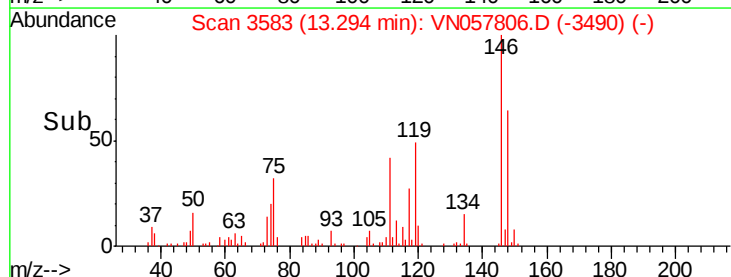
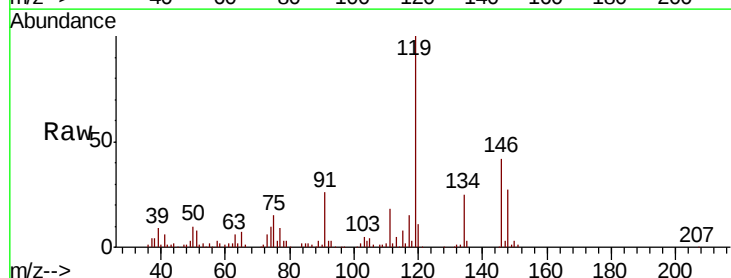
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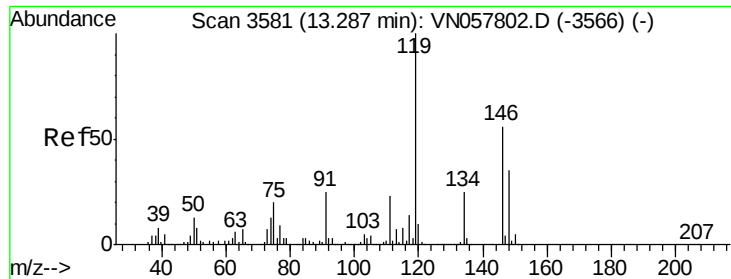
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#86
 p-Isopropyltoluene
 Concen: 4.781 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057806.D
 Acq: 9 Sep 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	92873		
134	25.3	12.5	37.5	
91	24.4	12.3	36.8	





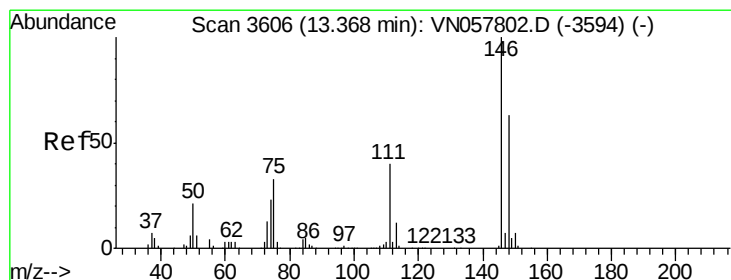
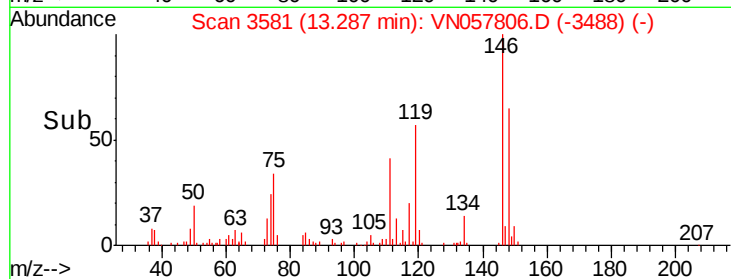
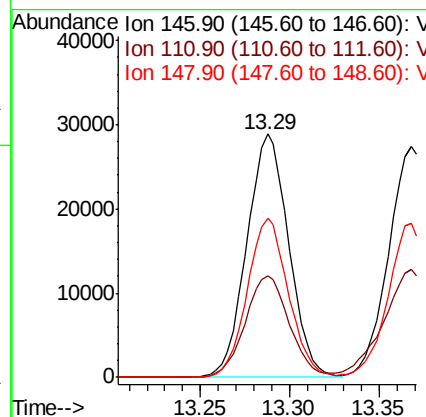
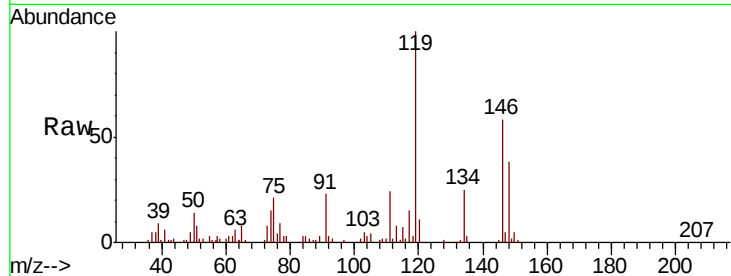
#87
 1,3-Dichlorobenzene
 Concen: 4.992 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057806.D
 Acq: 9 Sep 2019 17:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	20.5	61.6
148	64.0	31.5	94.5

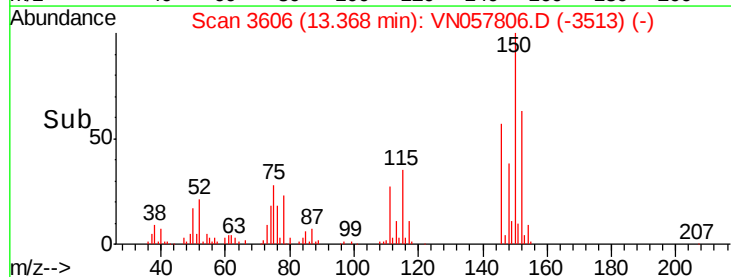
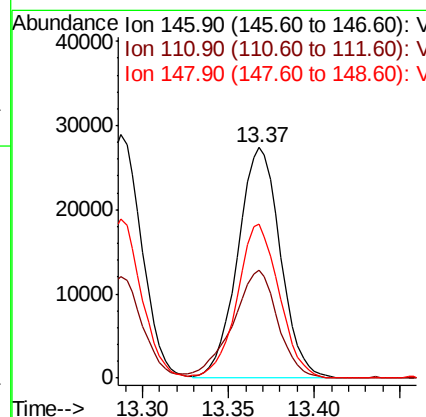
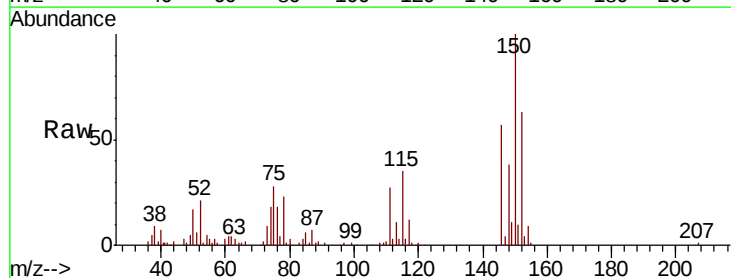
Manual Integrations
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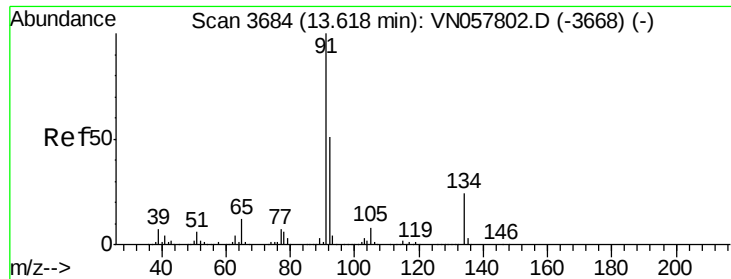
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#88
 1,4-Dichlorobenzene
 Concen: 4.970 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057806.D
 Acq: 9 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.8	20.4	61.2
148	65.8	31.8	95.4





#89

n-Butylbenzene

Concen: 4.504 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Instrument :

MSVOA_N

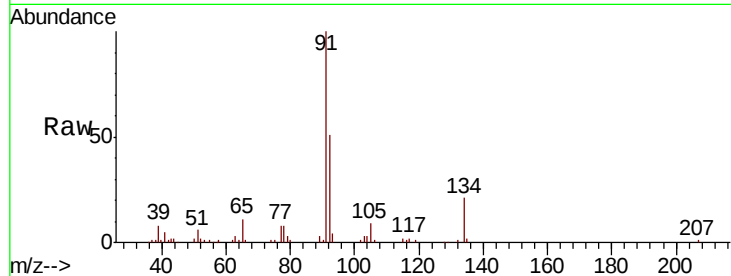
ClientSampleId :

VSTDIC005

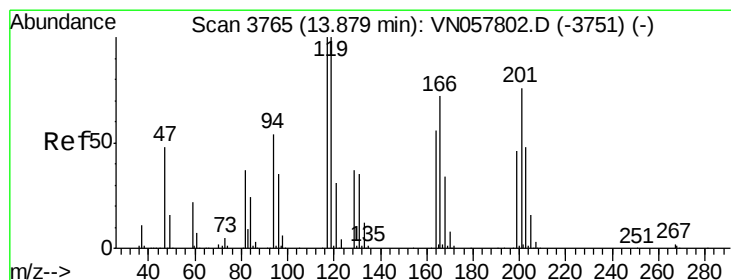
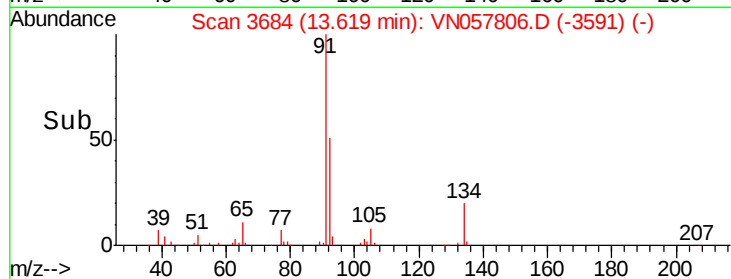
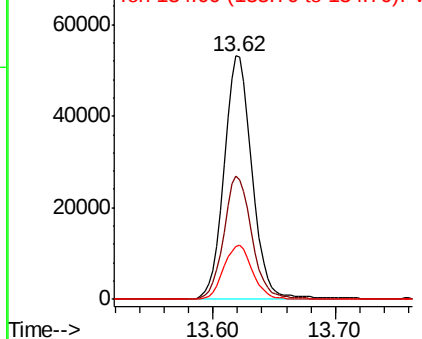
Tot Ion:	91	Resp:	85766
Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.7	77.0
134	22.8	11.9	35.7

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Abundance Ion 91.00 (90.70 to 91.70): VN057802.D (-3668) (-)



#90

Hexachloroethane

Concen: 3.739 ug/l

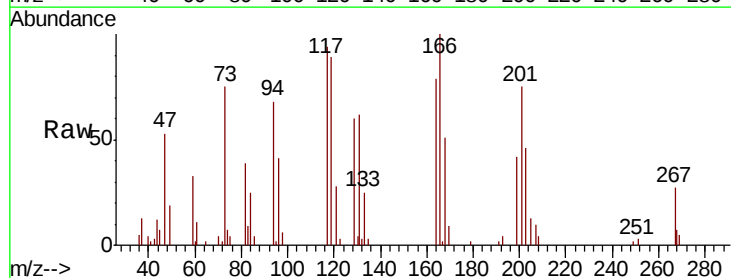
RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

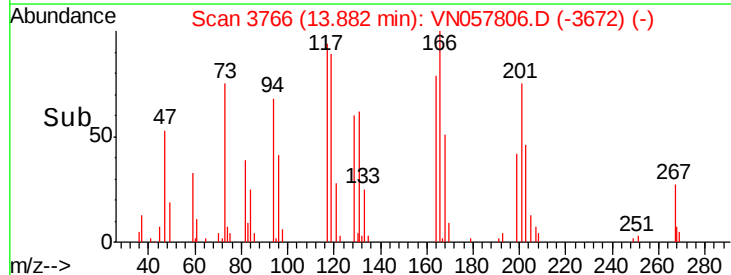
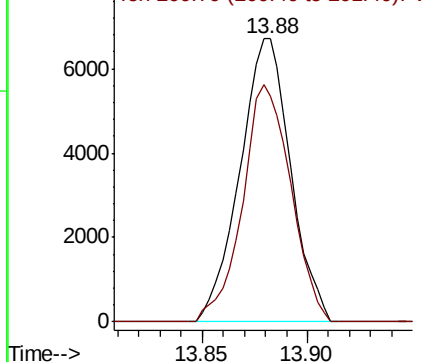
Lab File: VN057806.D

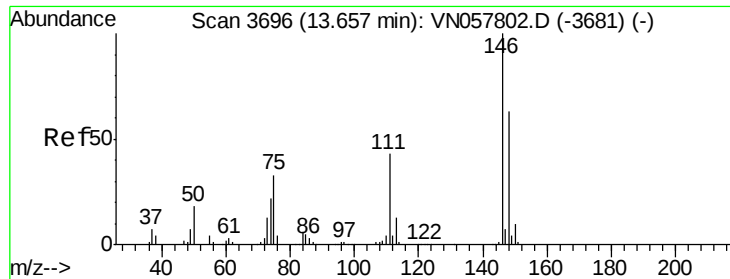
Acq: 9 Sep 2019 17:16

Tgt Ion:	117	Resp:	11216
Ion	Ratio	Lower	Upper
117	100		
201	79.9	37.5	112.7



Abundance Ion 116.80 (116.50 to 117.50): VN057802.D (-3751) (-)





#91

1,2-Dichlorobenzene

Concen: 5.026 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 146 Resp: 47008

Ion Ratio Lower Upper

146 100

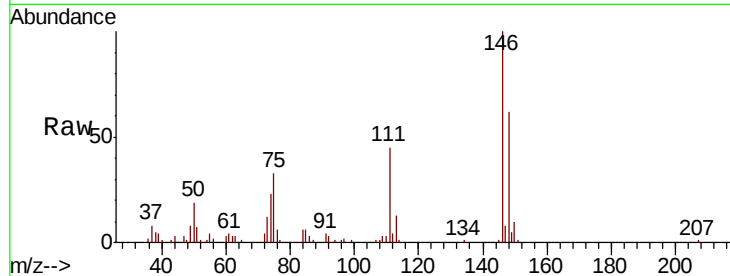
111 44.0 21.3 63.9

148 65.2 31.4 94.3

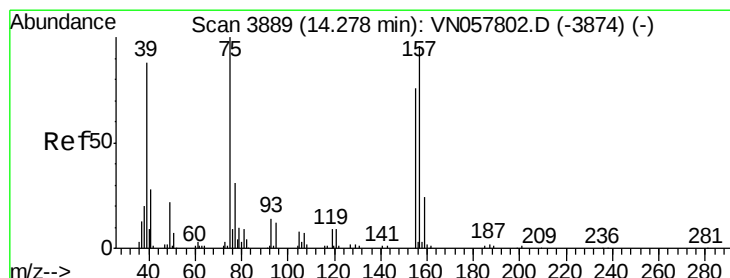
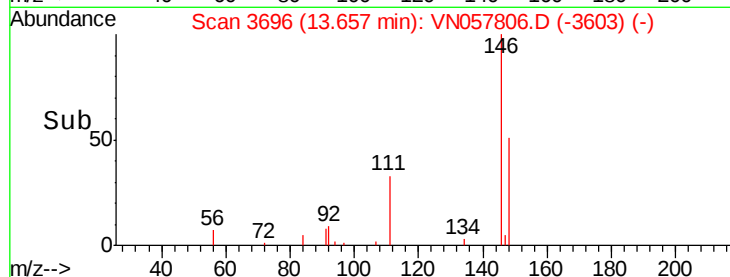
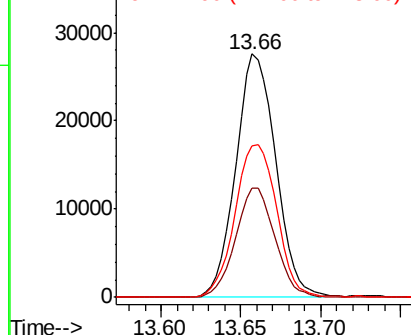
Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.761 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

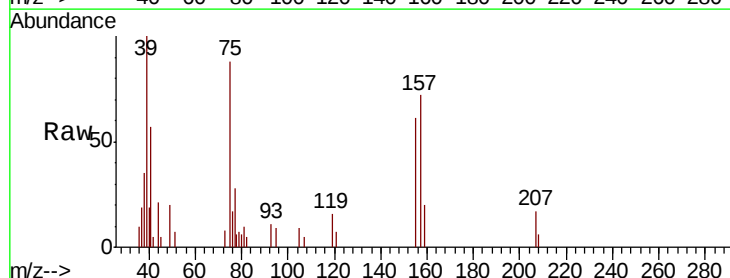
Tgt Ion: 75 Resp: 5040

Ion Ratio Lower Upper

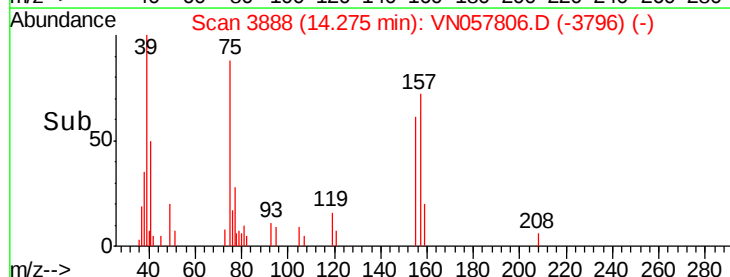
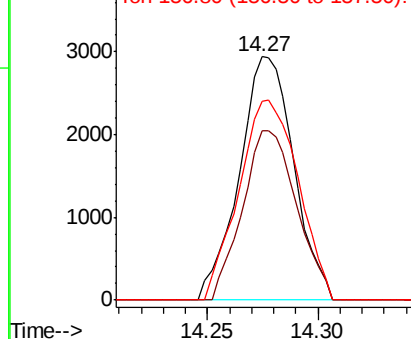
75 100

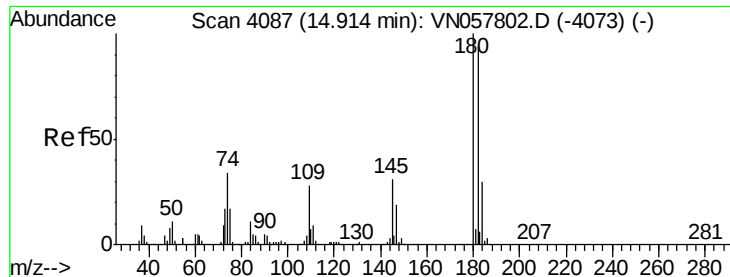
155 69.0 37.3 111.8

157 89.4 47.9 143.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





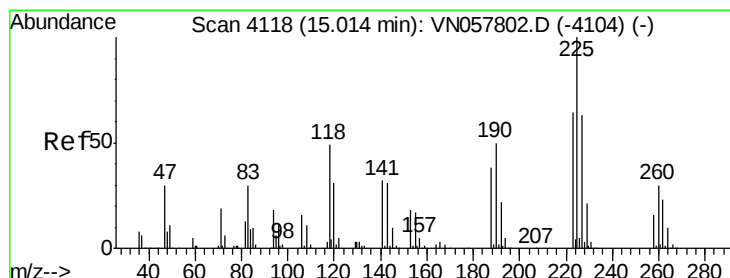
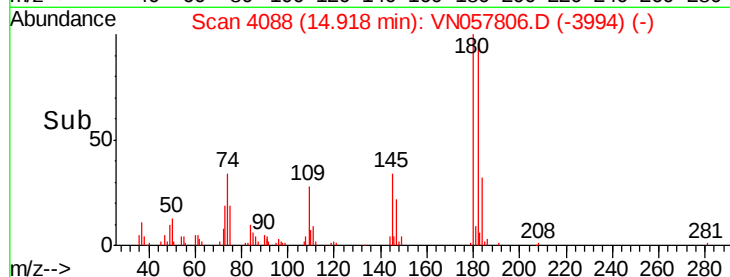
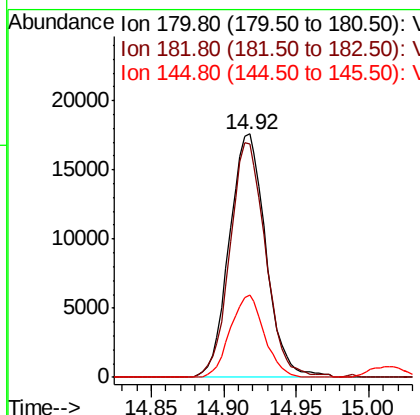
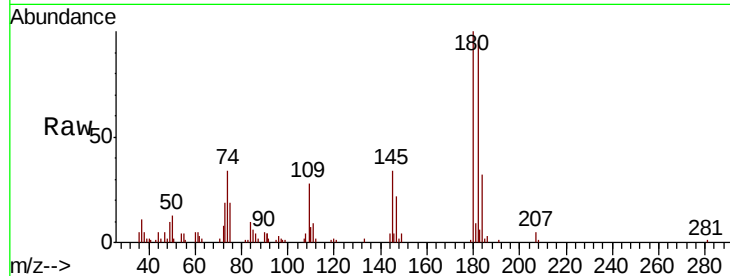
#93
 1,2,4-Trichlorobenzene
 Concen: 5.497 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057806.D
 Acq: 9 Sep 2019 17:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	46.9	140.8
145	31.4	14.9	44.7

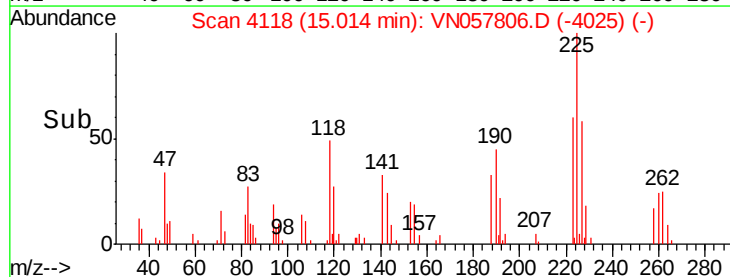
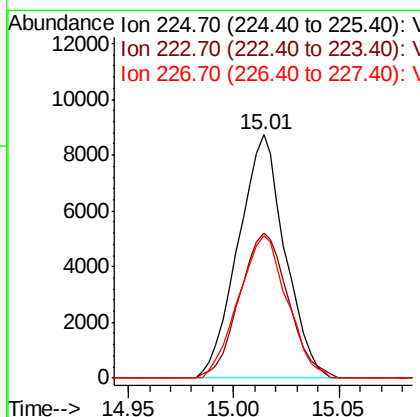
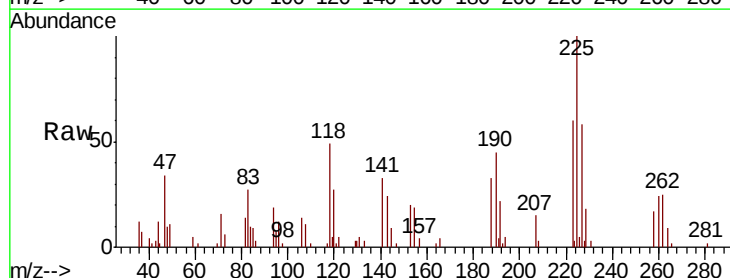
Manual Integrations
 APPROVED

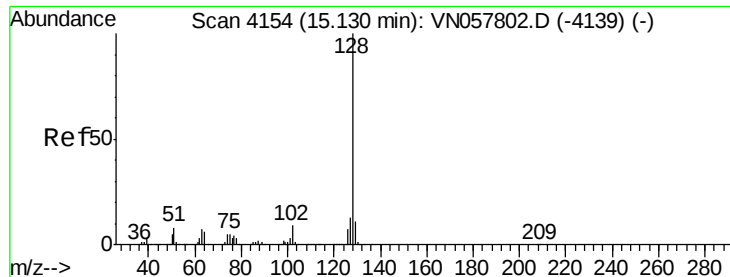
MMDadoda
 9/13/2019 5:16:16 AM



#94
 Hexachlorobutadiene
 Concen: 5.023 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057806.D
 Acq: 9 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	32.4	97.2
227	60.9	31.8	95.4





#95

Naphthalene

Concen: 5.507 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Instrument :

MSVOA_N

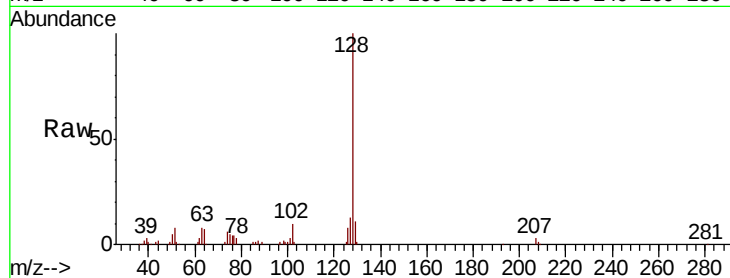
ClientSampleId :

VSTDIC005

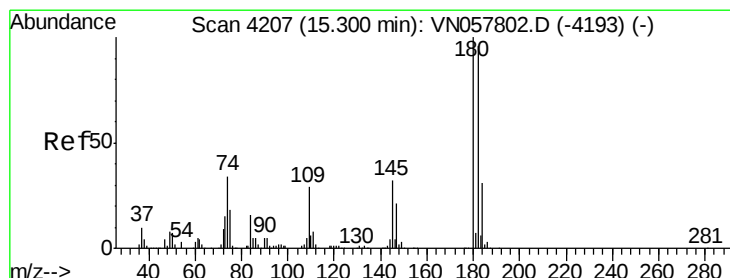
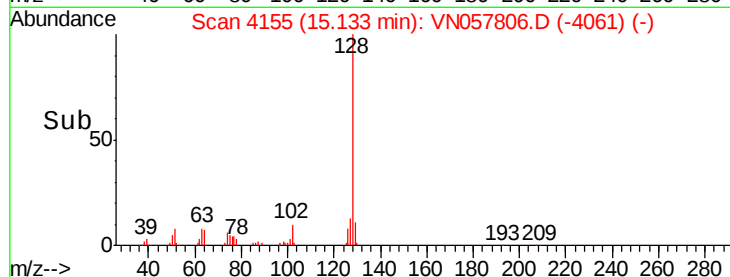
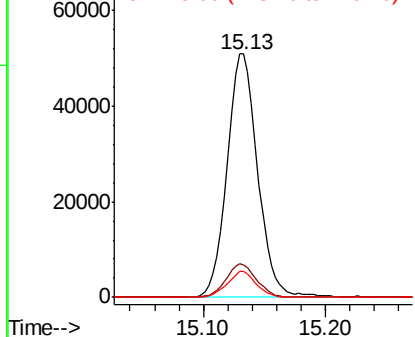
Tot Ion:	128	Resp:	89347
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.3	15.5
129	10.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:16:16 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 5.506 ug/l

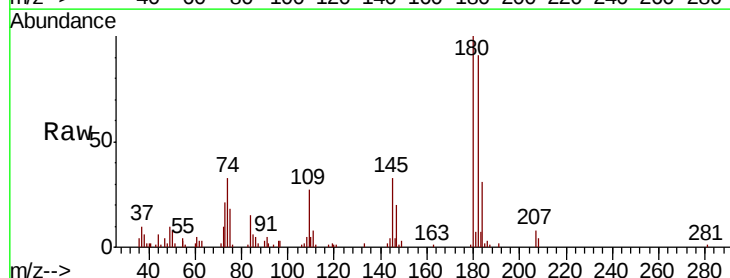
RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057806.D

Acq: 9 Sep 2019 17:16

Tgt Ion:	180	Resp:	29396
Ion Ratio	Lower	Upper	
180	100		
182	92.3	48.3	144.8
145	33.5	16.3	48.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

