LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030121\
Data File : VD068478.D
Acq On : 01 Mar 2021 13:54
Operator : VA/SY
Sample : M1507-03
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 41007

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Title : SW846 8260

Signal : TIC: VD068478.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.156	366	380	417	rBV2	23581748	70882091	44.30%	16.465%
2	7.961	1010	1027	1037	rBV	7703626	19231023	12.02%	4.467%
3	8.067	1037	1045	1056	rVB	2382557	5848921	3.66%	1.359%
4	8.191	1056	1066	1084	rBV	10787675	24586774	15.37%	5.711%
5	8.456	1101	1111	1118	rBV3	1365325	3531005	2.21%	0.820%
6	8.726	1147	1157	1171	rBV	8635331	16692139	10.43%	3.877%
7	9.355	1249	1264	1270	rBV	2073601	4950575	3.09%	1.150%
8	10.120	1384	1394	1406	rVB	827246	1931333	1.21%	0.449%
9	10.232	1406	1413	1425	rBV	992060	2336651	1.46%	0.543%
10	10.344	1425	1432	1436	rVV	1677216	3359502	2.10%	0.780%
11	10.408	1436	1443	1456	rVV3	71051995	160001626	100.00%	37.167%
12	10.526	1456	1463	1469	rVB	2293883	4278421	2.67%	0.994%
13	11.432	1608	1617	1628	rVB3	1750163	4863799	3.04%	1.130%
14	11.532	1628	1634	1639	rBV	1448897	2317735	1.45%	0.538%
15	11.744	1663	1670	1679	rVV	6283462	11405514	7.13%	2.649%
16	11.855	1679	1689	1699	rVV	23207159	46500842	29.06%	10.802%
17	12.179	1732	1744	1752	rBV	6738419	13491184	8.43%	3.134%
18	12.397	1776	1781	1790	rVB4	800217	1983473	1.24%	0.461%
19	12.820	1845	1853	1857	rVB	918798	1808399	1.13%	0.420%
20	12.885	1857	1864	1867	rBV	2778433	4806704	3.00%	1.117%
21	12.949	1871	1875	1879	rVV2	4514491	7996507	5.00%	1.858%
22	12.985	1879	1881	1890	rVB	1949537	3350891	2.09%	0.778%
23	13.120	1890	1904	1911	rBV	1069442	2991627	1.87%	0.695%
24	13.267	1922	1929	1934	rBV	3353167	5259326	3.29%	1.222%
25	13.891	2030	2035	2041	rBV	2773936	4181508	2.61%	0.971%
26	14.749	2176	2181	2187	rVB2	1208195	1903030	1.19%	0.442%

Sum of corrected areas: 430490600

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030121\
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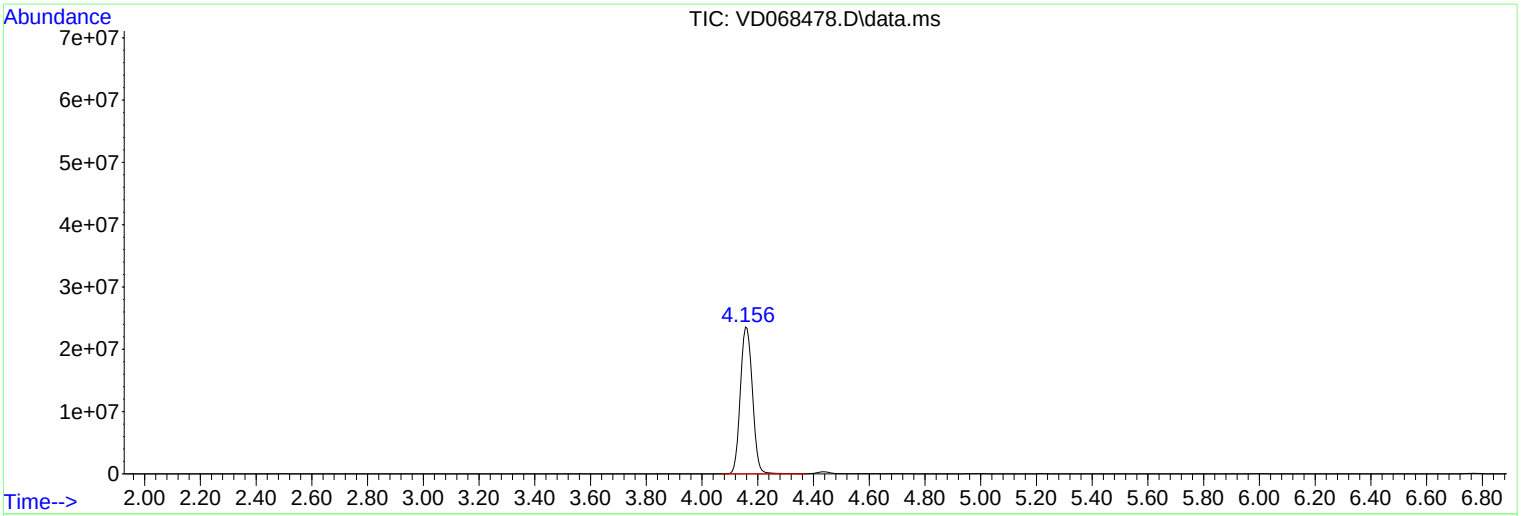
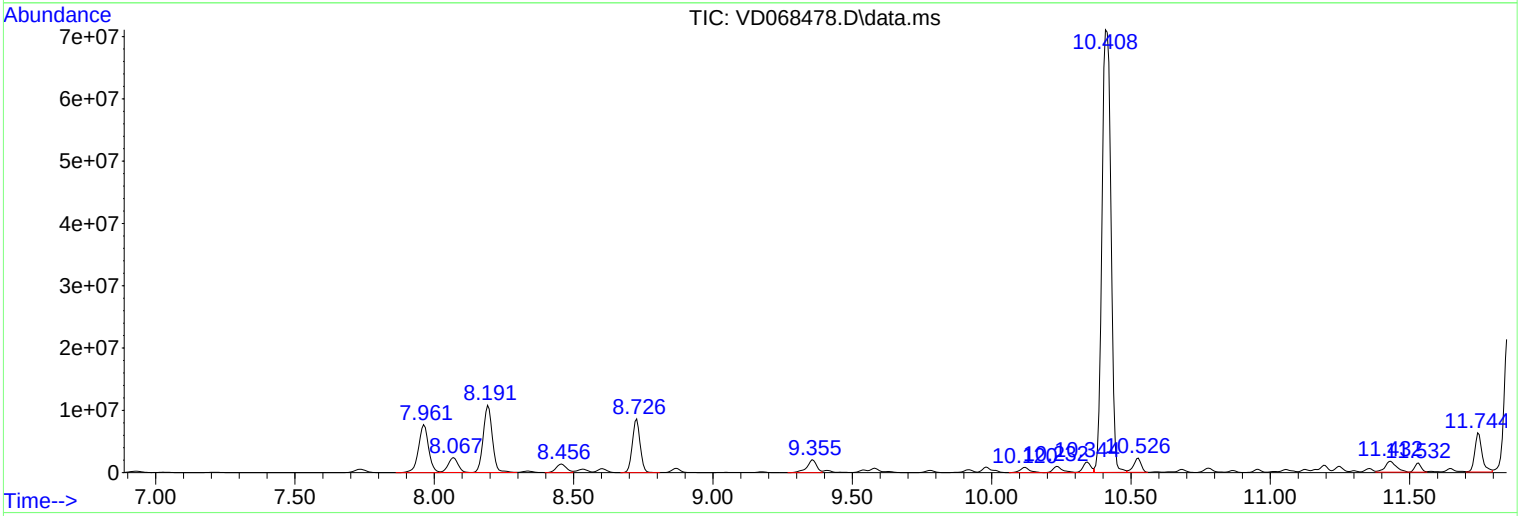
Sample : M1507-03
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

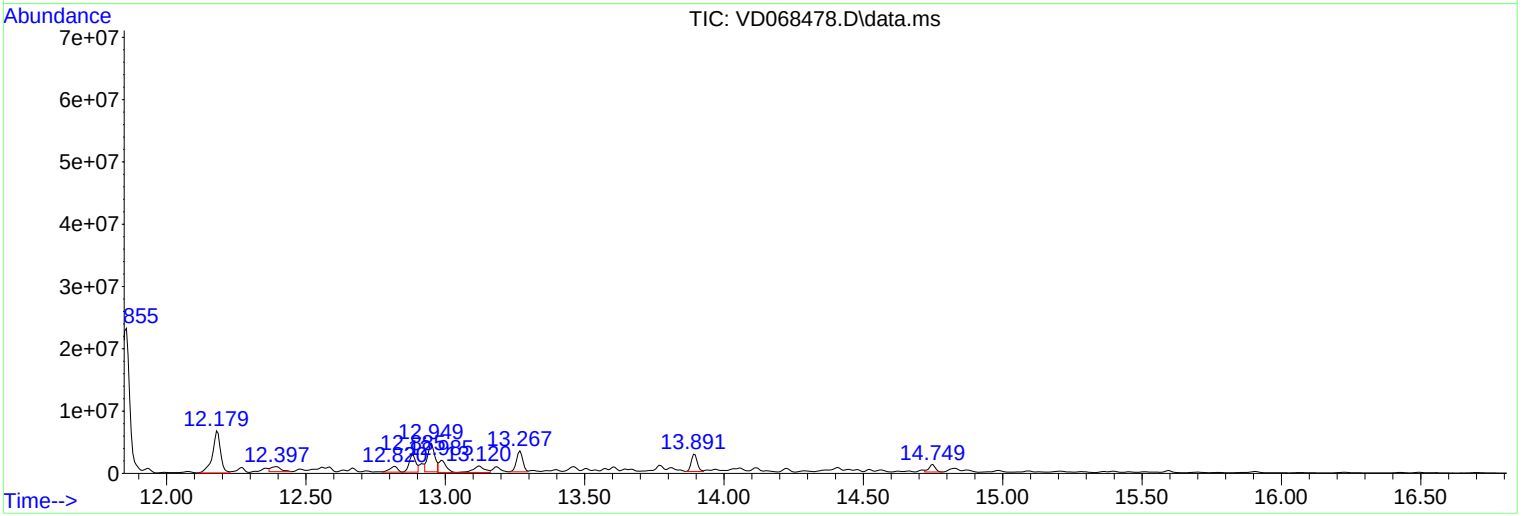
Instrument :
MSVOA_D
ClientSampleId :
41007

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030121\
Data File : VD068478.D
Acq On : 01 Mar 2021 13:54
Operator : VA/SY
Sample : M1507-03
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
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Instrument : MSVOA_D
ClientSampleId : 41007

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

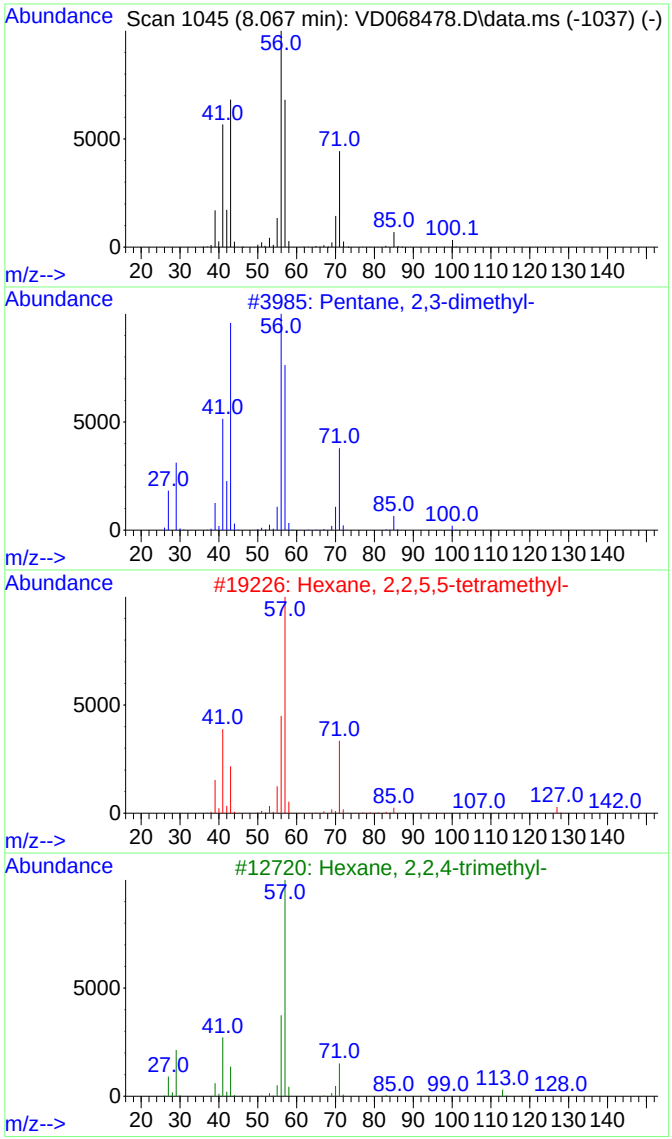
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

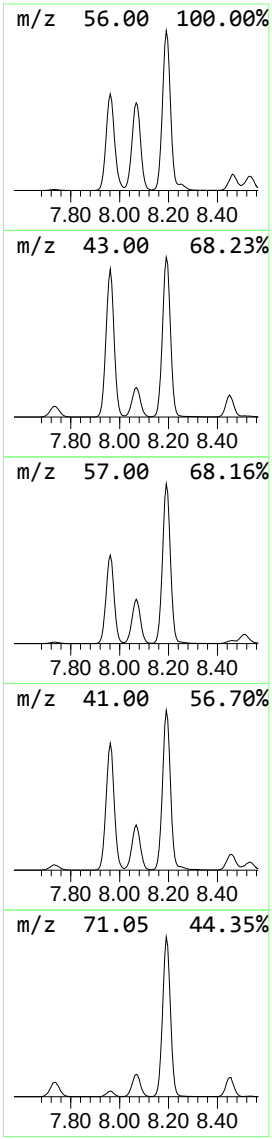
****

Peak Number 1 Pentane, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.067	15.21 ug/l	5848920	Pentafluorobenzene	7.985

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	56
3	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	50
4	Heptane	100	C7H16	000142-82-5	47
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030121\
Data File : VD068478.D
Acq On : 01 Mar 2021 13:54
Operator : VA/SY
Sample : M1507-03
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 41007

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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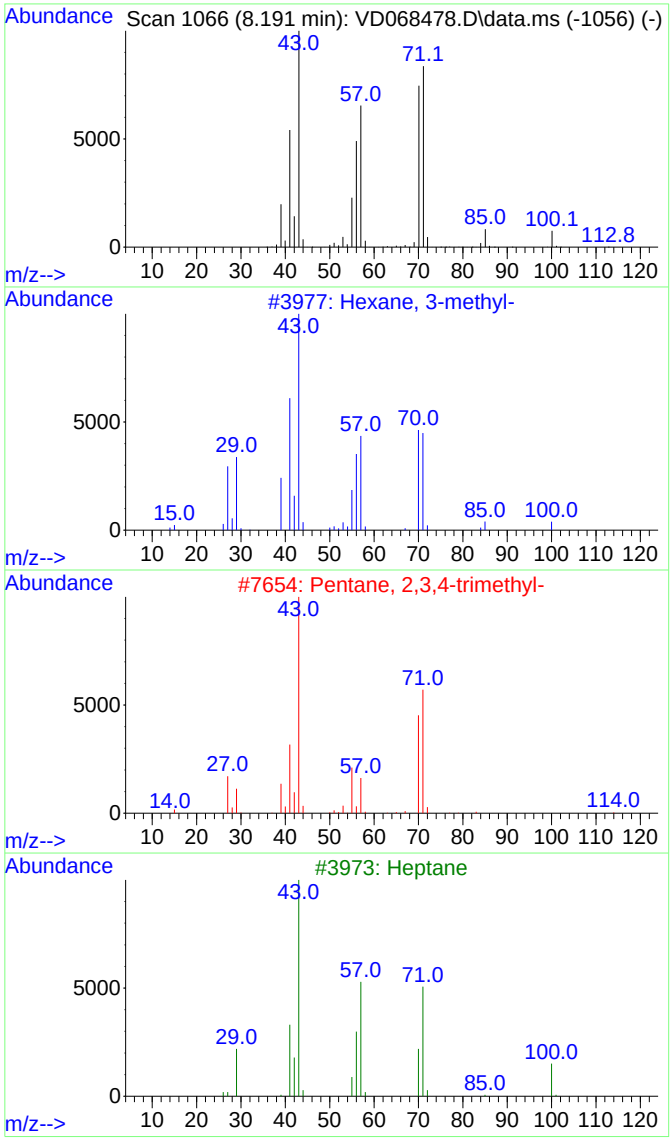
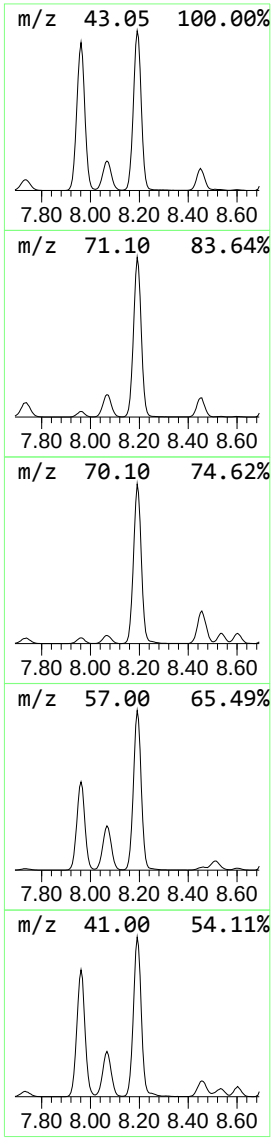
Peak Number 2 Hexane, 3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.191	63.92 ug/l	24586800	Pentafluorobenzene	7.985

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	95
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64
3	Heptane	100	C7H16	000142-82-5	62
4	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	59
5	Heptane, 3,3,4-trimethyl-	142	C10H22	020278-87-9	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030121\
Data File : VD068478.D
Acq On : 01 Mar 2021 13:54
Operator : VA/SY
Sample : M1507-03
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 41007

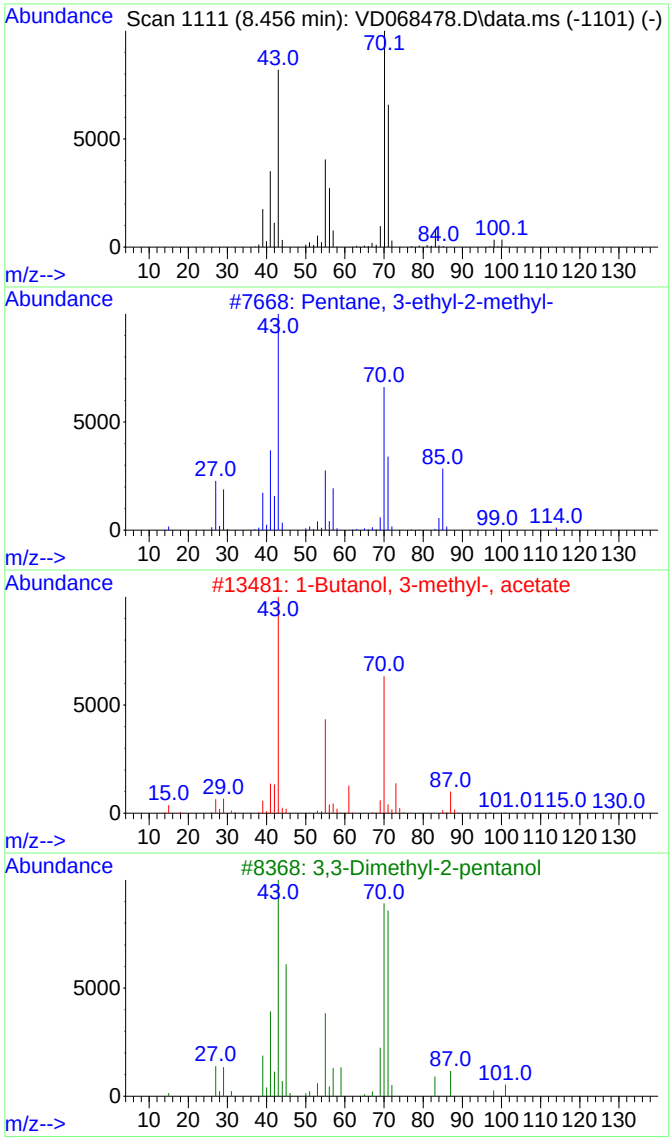
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

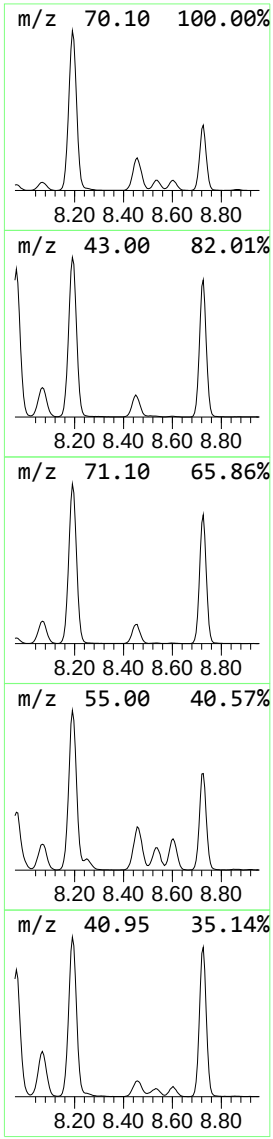
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Pentane, 3-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.456	10.58 ug/l	3531010	1,4-Difluorobenzene	8.867

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	56
2	1-Butanol, 3-methyl-, acetate	130	C7H14O2	000123-92-2	50
3	3,3-Dimethyl-2-pentanol	116	C7H16O	019781-24-9	47
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	46
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030121\
Data File : VD068478.D
Acq On : 01 Mar 2021 13:54
Operator : VA/SY
Sample : M1507-03
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 41007

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

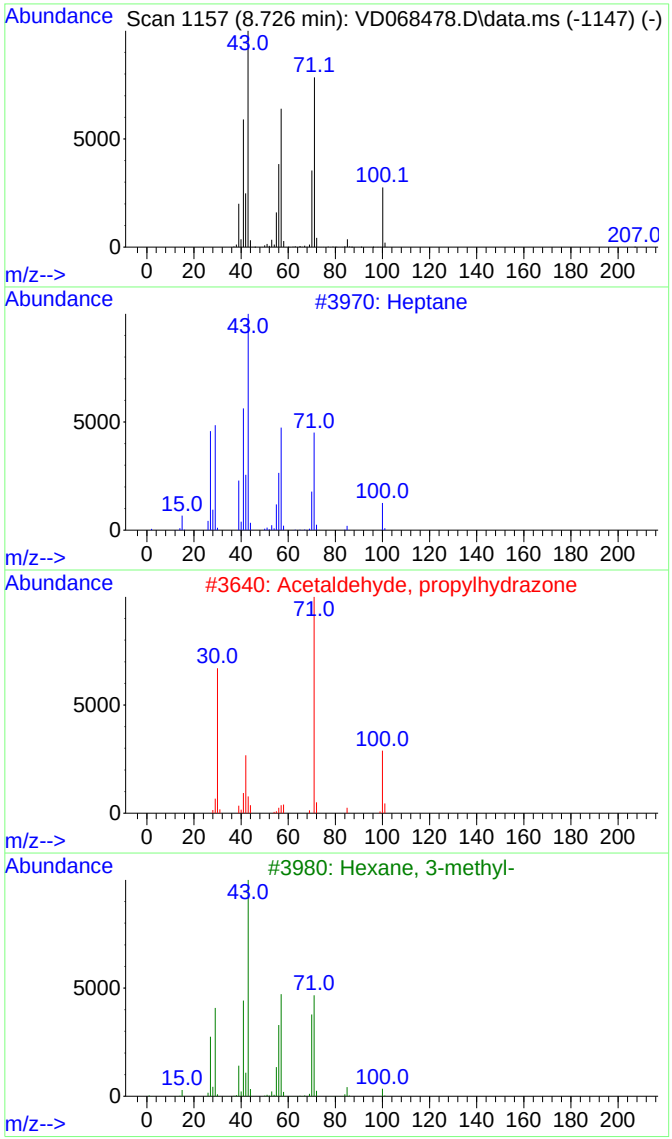
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

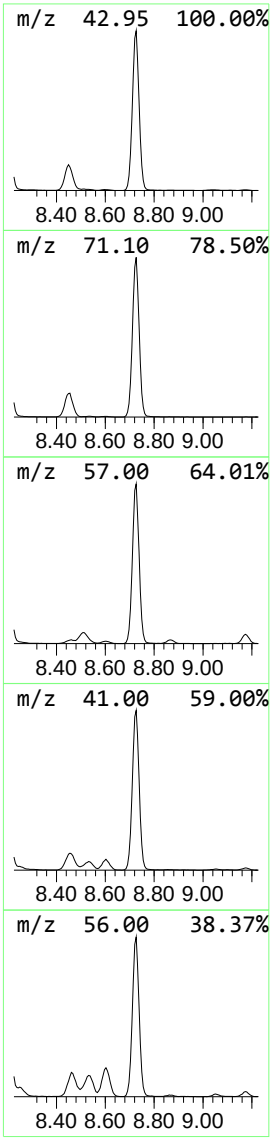
****

Peak Number 4 Heptane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.726	50.00 ug/l	16692100	1,4-Difluorobenzene	8.867

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	49
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	47
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	42
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030121\
Data File : VD068478.D
Acq On : 01 Mar 2021 13:54
Operator : VA/SY
Sample : M1507-03
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 41007

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

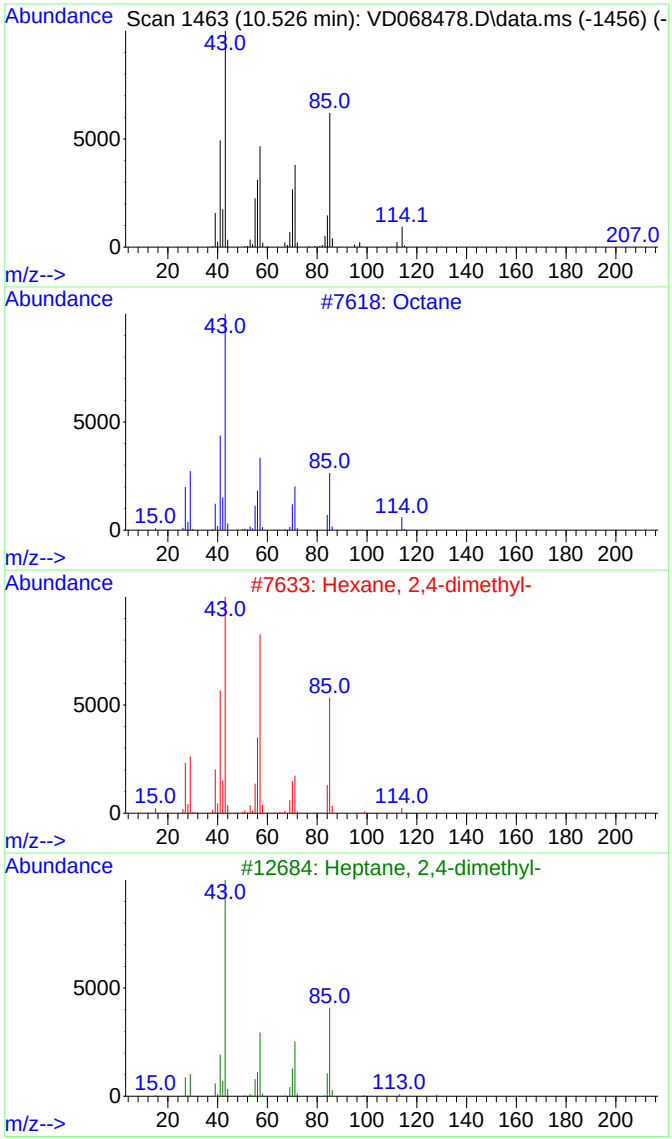
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

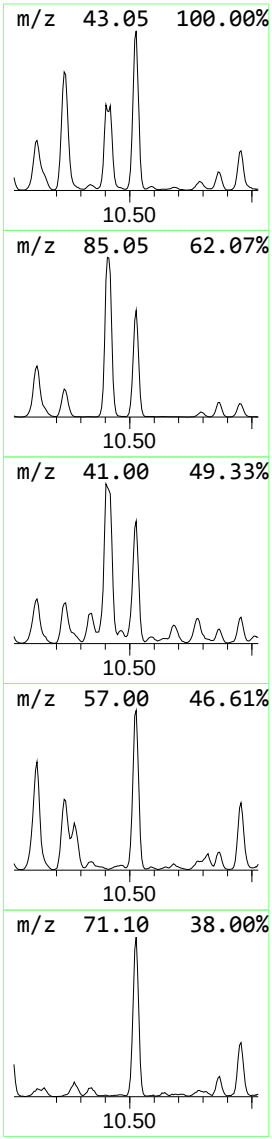
****

Peak Number 5 Octane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.526	18.76 ug/l	4278420	Chlorobenzene-d5	11.644

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	91
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
4	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	53
5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030121\
Data File : VD068478.D
Acq On : 01 Mar 2021 13:54
Operator : VA/SY
Sample : M1507-03
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 41007

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

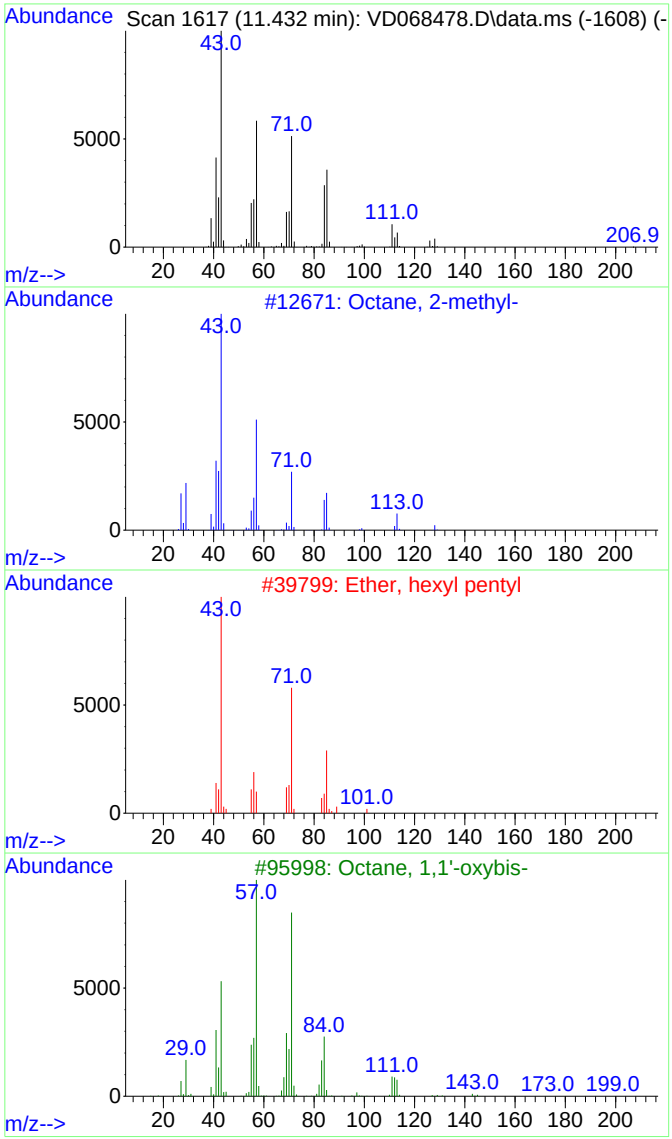
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

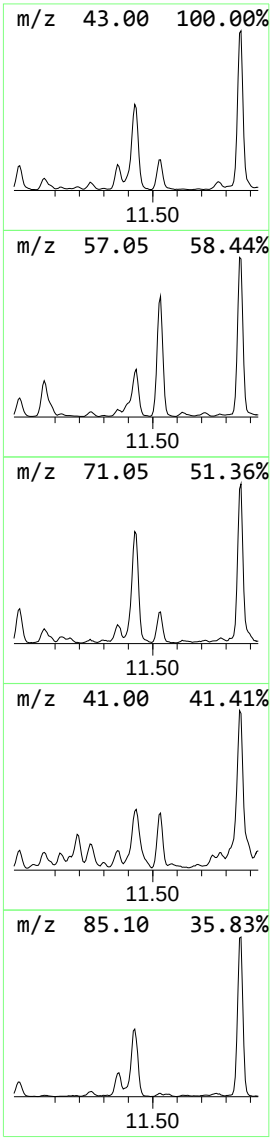
****

Peak Number 6 Octane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.432	21.32 ug/l	4863800	Chlorobenzene-d5	11.644

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	81
2	Ether, hexyl pentyl	172	C11H24O	032357-83-8	50
3	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	47
4	Hexyl octyl ether	214	C14H30O	017071-54-4	47
5	Oxirane, 2-methyl-3-propyl-, cis-	100	C6H12O	006124-90-9	43





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Data File : VD068478.D
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Operator : VA/SY
Sample : M1507-03
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 41007

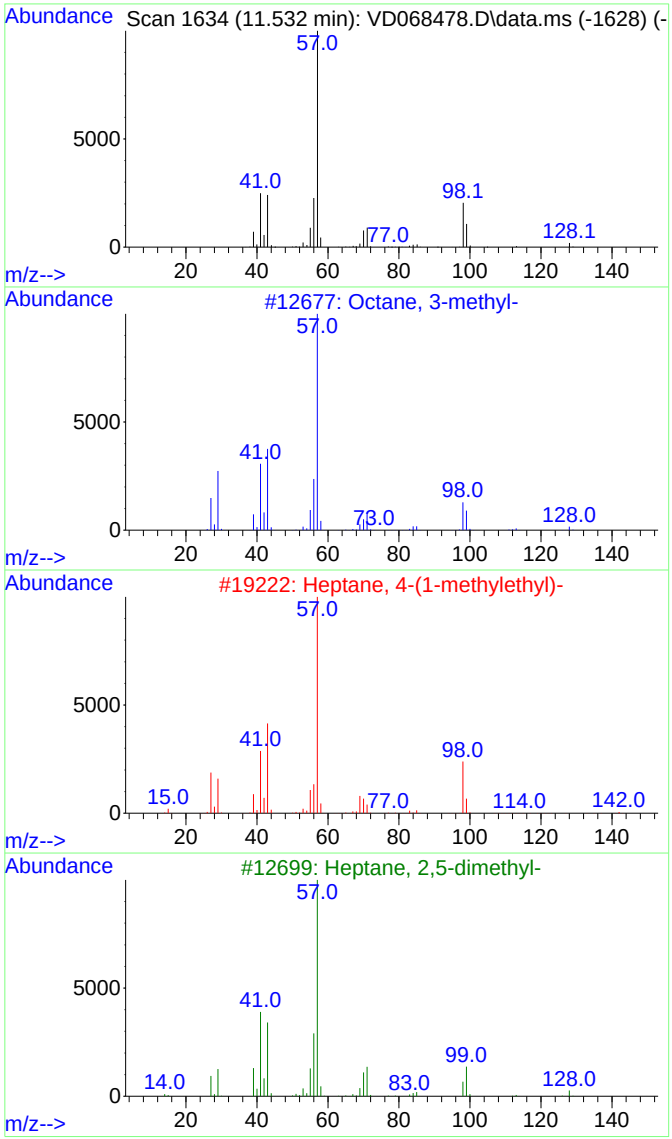
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

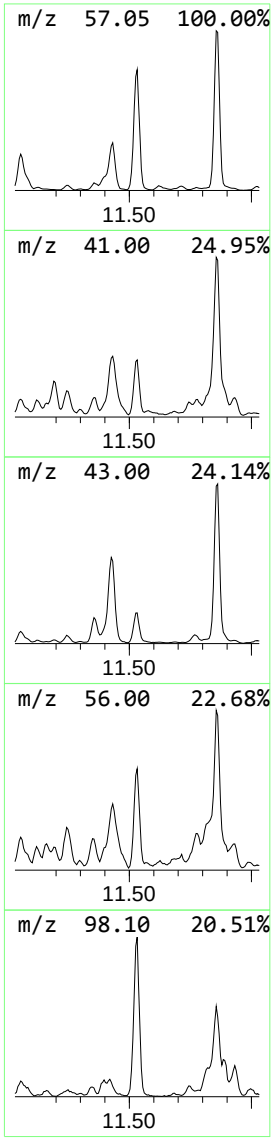
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Octane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.532	10.16 ug/l	2317740	Chlorobenzene-d5	11.644

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	91
2	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	64
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	59
5	Undecane, 6-methyl-	170	C12H26	017302-33-9	50





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Operator : VA/SY
Sample : M1507-03
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 41007

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

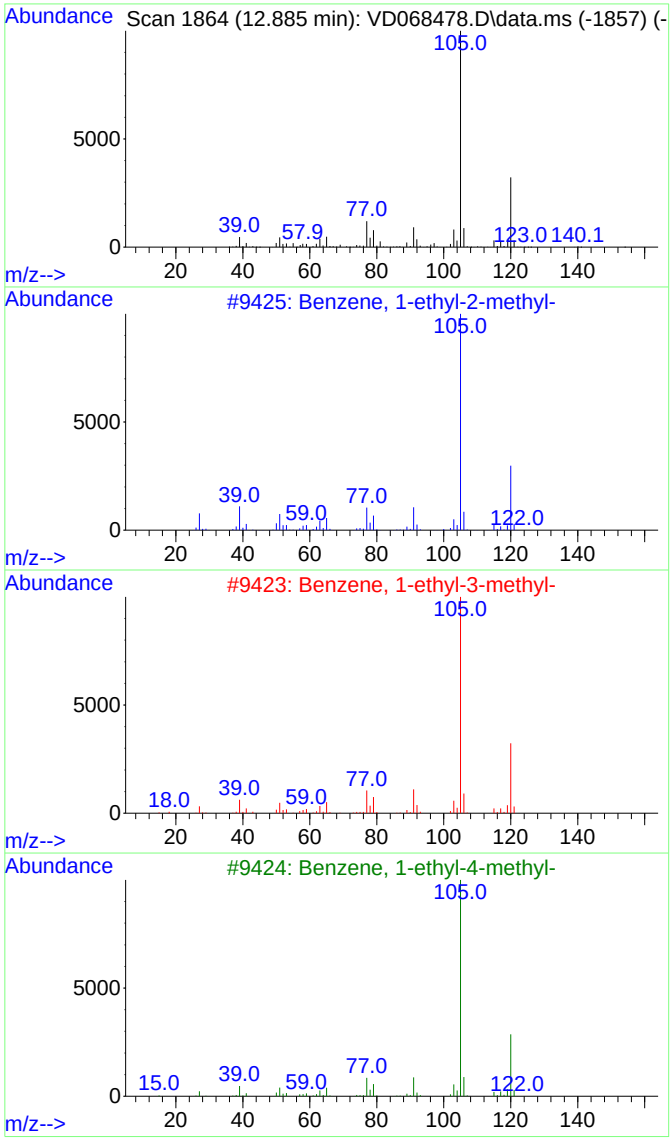
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

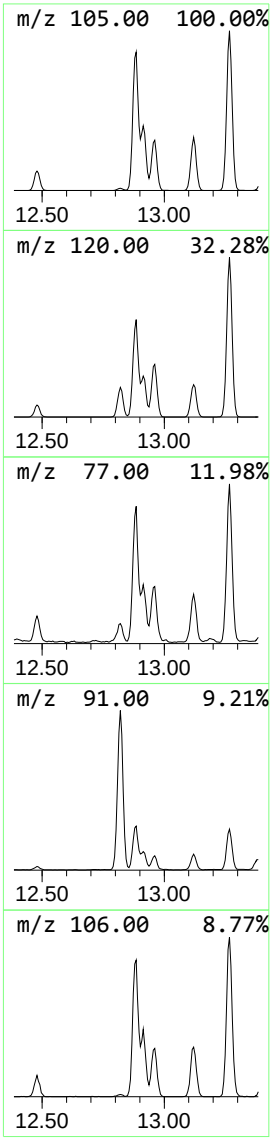
****

Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.885	45.70 ug/l	4806700	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030121\
Data File : VD068478.D
Acq On : 01 Mar 2021 13:54
Operator : VA/SY
Sample : M1507-03
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 41007

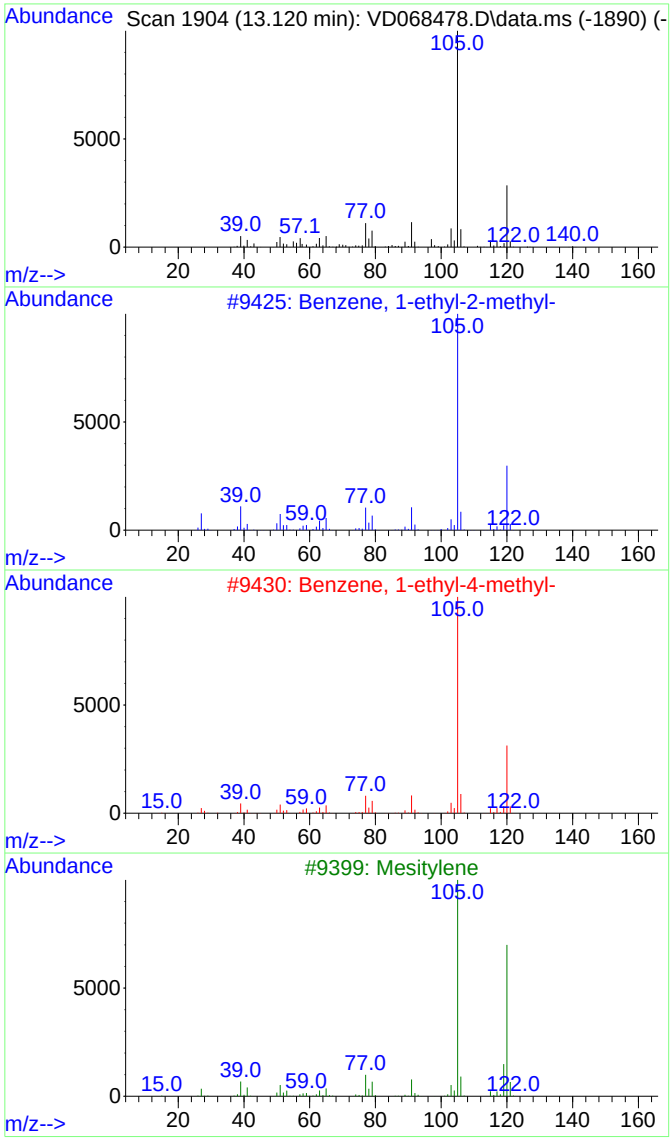
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

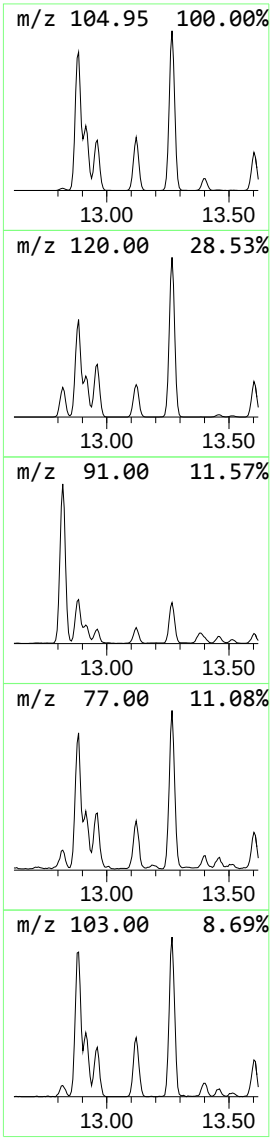
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethyl-4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.120	28.44 ug/l	2991630	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
3	Mesitylene	120	C9H12	000108-67-8	90
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030121\
Data File : VD068478.D
Acq On : 01 Mar 2021 13:54
Operator : VA/SY
Sample : M1507-03
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 41007

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

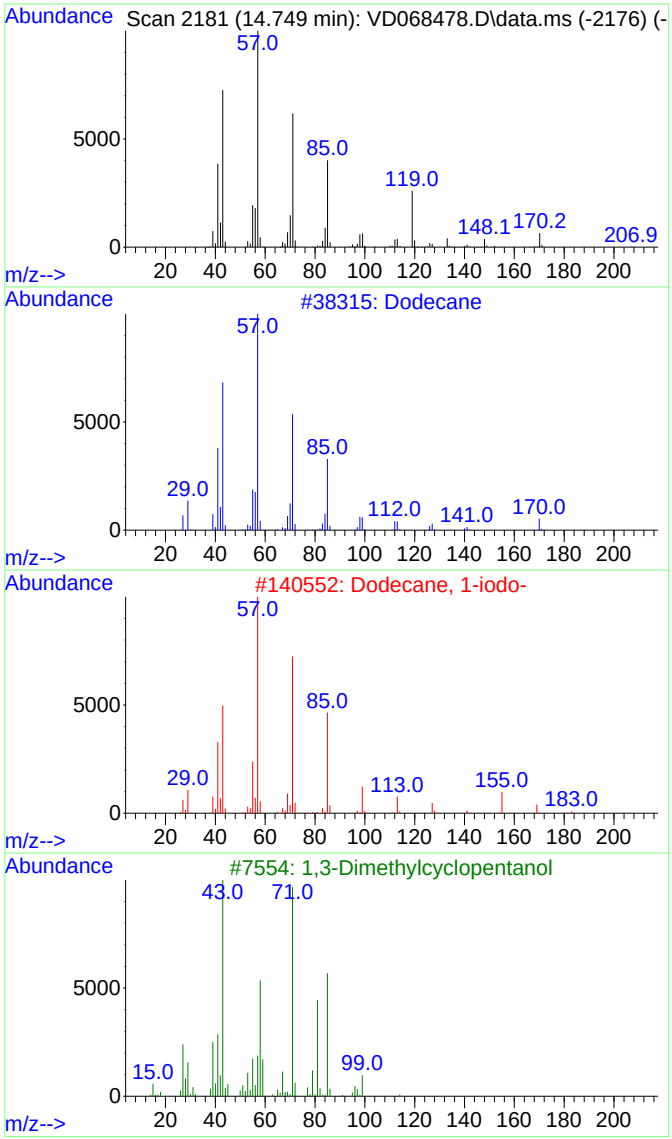
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

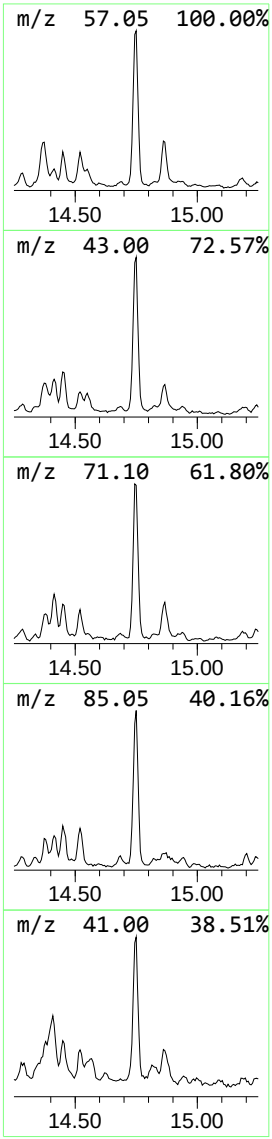
****

Peak Number 10 Dodecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.749	18.09 ug/l	1903030	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	90
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	53
3	1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	49
4	Tetradecane	198	C14H30	000629-59-4	49
5	Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030121\
Data File : VD068478.D
Acq On : 01 Mar 2021 13:54
Operator : VA/SY
Sample : M1507-03
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 41007

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Pentane, 2,3-di...	8.067	15.2	ug/l	5848920	1	7.985	19231000	50.0
Hexane, 3-methyl-	8.191	63.9	ug/l	24586800	1	7.985	19231000	50.0
Pentane, 3-ethy...	8.456	10.6	ug/l	3531010	2	8.867	16692100	50.0
Heptane	8.726	50.0	ug/l	16692100	2	8.867	16692100	50.0
Octane	10.526	18.8	ug/l	4278420	3	11.644	11405500	50.0
Octane, 2-methyl-	11.432	21.3	ug/l	4863800	3	11.644	11405500	50.0
Octane, 3-methyl-	11.532	10.2	ug/l	2317740	3	11.644	11405500	50.0
Benzene, 1-ethy...	12.885	45.7	ug/l	4806700	4	13.573	5259330	50.0
Benzene, 1-ethy...	13.120	28.4	ug/l	2991630	4	13.573	5259330	50.0
Dodecane	14.749	18.1	ug/l	1903030	4	13.573	5259330	50.0